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20 Sep 04

MARINE CORPS ORDER 3500.70

From: Commandant of the Marine Corps
To: Distribution List

Subj: NUCLEAR, BIOLOGICAL, AND CHEMICAL DEFENSE TRAINING AND
READINESS MANUAL, (SHORT TITLE: NBCD T&R MANUAL)

Ref: (a) MCO P3500.72 (Marine Corps Ground T&R Program)
(b) MCO 1553.1 (Training & Education System)
(c) MCO 1553.2A (Management for Marine Corps Formal Schools
and Training Centers)
(d) MCO 1553.3A (Marine Corps Unit Training Management)
(e) MCO P1200.7 (Military Occupational Specialty Manual -
MOS Manual)
(f) MCO 3500.27 (Operational Risk Management - ORM)
(g) MCRP 3-0A (Unit Training Management Guide - UTM Guide)
(h) MCRP 3-0B (How to Conduct Training)
(i) MCO 3400.3 (NBCD Training)

1. Purpose. To promulgate training policies, procedures, and standards for NBCD specialists and officers that will assist in achieving and maintaining combat readiness.

2. Cancellation. MCO 1510.71B.

3. Background

a. Training and Readiness (T&R) Manuals were first developed for Marine aircrews in 1976. Aviation T&R evolved during the ensuing years and was expanded to the Marine Air Command and Control System agencies in 1994. The stated purpose was to provide commanders with a Corps-wide standardized training approach to develop and measure unit combat capabilities. The first T&R Manual for ground-related occupational fields (Tanks) was completed in 1995, based essentially on the same premise as that of the aviation community. Additional T&R Manuals were developed through the end of the 1990's in an evolutionary manner, originating as an augment to Individual Training Standards (ITS) and the Mission Performance Standards (MPS) of the Marine Corps Combat Readiness Evaluation System (MCCRES). Today, the T&R Program is evolving to incorporate and replace these training standards to serve as a single reference for occupational field, individual, and collective training. This manual was developed and reviewed by subject matter experts (SME) from the operating forces and the formal school within the NBCD community.

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b. As the Ground T&R Program evolves, T&R manuals will be used to justify and allocate resources. Quantitative feedback from the operating forces utilizing T&R Manuals will be used as contributing justification for initiatives to expand the capabilities of current ranges, to build new ranges, and to allocate ammunition. A T&R management tool is also being developed. This tool will allow users to cross-reference other T&R manuals and to link to related training that is covered by other manuals. These and related efforts are aimed at ensuring the operating forces have the resources they need to plan and execute effective, efficient training.

c. To maintain an effective program, Training and Education Command (TECOM) seeks feedback from the users. Over the next several years, T&R manuals and the Ground T&R Program Order will be reviewed annually and amended based on input from the operating forces and formal schools.

4. Information. Policy guidance for Training and Readiness Manual use can be found in references (a) and (b). This manual provides occupational field training guidance to commanders and formal schools per reference (c) and guides them in accomplishing more specific training responsibilities as prescribed in references (d), (g), and (h). Specific career progression and formal school requirements for the NBCD occupational field is outlined in reference (e). Commanders and formal schools must apply the ORM process contained in reference (f) during the design, conduct, and supervision of all individual and unit training. References (g) and (h) provide details to analyze, design, develop, implement, and evaluate training that supports the unit's mission essential task list (METL). Reference (i) provides detailed guidance regarding NBCD training.

5. Command Action

a. Ensure units maintain readiness levels to perform assigned mission(s) in accordance with reference (a).

b. Conduct MOJT programs for initial, sustainment, and refresher training requirements.

c. Ensure all individual and unit training is in accordance with reference (h).

d. Review, update, and submit unit Mission Essential Task List (METL) in accordance with references (d) and (g).

e. Per reference (d), conduct an internal assessment of the unit's ability to execute each MET and prepare a definitive plan

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of attack to achieve MET proficiency by developing long, mid, and short-range training plans to achieve proficiency in each MET.

f. Use the T&R events contained in this order to supplement unit training and for the conduct of NBCD training of occupational field 57 personnel.

g. Develop training goals and programs per references (d), (g), and (h).

h. Maintain Combat Readiness Percentages (CRP) in accordance with reference (a) and this order.

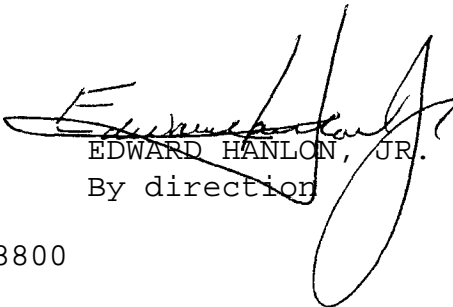
i. Develop curriculum in accordance with the training events contained in this order.

j. Solicit and incorporate feedback from course graduates and users of this manual as required.

6. Coordinating Instructions. All questions pertaining to the Marine Corps T&R Program and Unit Training Management should be directed to: Commandant of the Marine Corps (C 469), 3300 Russell Road, Quantico, VA 22134.

7. Reserve Applicability. This order is applicable to the Marine Corps Reserve.

8. Certification. Reviewed and approved this date.


EDWARD HANLON, JR.
By direction

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NBCD T&R MANUAL

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USER'S OVERVIEW

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CHAPTER 1

OVERVIEW

100. INTRODUCTION

1. The Training and Readiness (T&R) Program is intended to become the Corps' primary tool for planning, conducting, and evaluating training, and for assessing training readiness. The operating forces and supporting establishments have developed Mission Essential Task Lists (METLs) for ground communities using Marine Corps doctrine, Table of Organization (T/O) missions, Operational Plans, Contingency Plans, and tactics, techniques, and procedures (TTP). T&R Manuals are built around these service-level METLs; all events contained in T&R Manuals relate directly back to this METL. The comprehensive T&R Program ensures the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish all assigned missions.

2. The T&R Manual is a single document that seeks to capture the collective and individual training requirements to prepare units to accomplish their combat mission. The NBCD T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to conduct training. Instead, it seeks to provide a framework, linked to a myriad of references, in order to provide a baseline to design, conduct, and assess training that prepares Marines to perform in combat. This manual is a fundamental tool for supervisors and commanders to build and maintain unit NBCD combat readiness. Using this tool, commanders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program may be found in reference (a).

3. The NBCD T&R Manual is designed for 5711s and 5702s assigned to units with NBCD operational capabilities. This manual focuses on individual and collective tasks performed or supervised by NBCD personnel in the performance of NBCD Mission Essential Tasks (METs).

101. CORNERSTONE ORDERS

1. Guidance for training and evaluation in the Marine Corps, from entry-level training at the formal schools to advanced PME for senior enlisted and officers, is found in the Cornerstone Orders. All training and evaluation programs

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throughout the Marine Corps were designed using the guidance provided in these orders. The Cornerstone Orders are:

- a. MCO 1553.1B, The Marine Corps Education and Training System
- b. MCO 1553.2A, Management for Marine Corps Formal Schools and Training Centers
- c. MCO 1553.3A, Unit Training Management
- d. MCO P1553.4A, Professional Military Education

102. ORGANIZATION

1. The NBCD T&R Manual is written to support the 57xx Occupational Field (OccFld). The manual is not intended to be used as a stand-alone document. NBCD officers and specialists use this manual in conjunction with the references for each individual and collective event to train NBCD personnel and units to operate in an NBC environment.

2. The NBCD T&R Manual is comprised of two chapters and eight appendices. Chapter 2 contains MOS core capabilities. Appendix A is an outline of functional codes used for individual and collective training events. Appendices B through G are NBCD Mission Essential Tasks (METs) and their supporting individual and collective training standards. Appendix H is a glossary of terms and definitions commonly used in the Training and Readiness Program.

3. Collective and individual training standards (appendix B through G) in this T&R Manual will contain at a minimum, the following elements:

- a. Event Code and Title
- b. Evaluation Code
- c. Sustainment Interval
- d. Event Description
- e. Event Condition
- f. Event Standard

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g. References

h. Rank

As this manual evolves over time, additional event components may be added. Further discussion of event components is found in paragraph 106 of this chapter.

103. T&R EVENT CODING. T&R events are coded for ease of reference. Each event consists of a three-field designator; each field has up to 4 characters. The first field represents the MOS (e.g. 5702, 5711, or 5700). Events using "5700" are for both 5702s and 5711s. The second field represents the functional area of the event (e.g. SHP for Shape; SUS for Sustainment; etc.). The last field designates the level and sequence of the event. Figure (1) shows NBCD T&R levels and a sample NBCD T&R event. Event levels are categorized as 1000-level, 2000-level, and so on. 1000-level events are individual core skills taught at entry-level formal school. 2000-level events are core-plus skills taught during managed on the job training (MOJT) in the operating forces or at follow-on schools. 3000-level events are the lowest level collective core-plus skills. These events are performed by two or more NBCD individuals, or performed by one 57xx individual supervising non-NBCD individuals, teams, squads and units up to the battalion during NBCD operations. 4000-level events are performed under the supervision of a 5702 or 5711 staff non-commissioned officer. Generally, these events are performed up to the MEF level. 5000-level events are currently the highest-level NBCD events and are performed above the MEF level (e.g., in support of JTF/coalition forces). These events usually fall under the cognizance of an NBCD officer or senior staff non-commissioned officer and involve integrating NBCD operational capabilities and advising high-level staffs. Figure 1-1 provides a detail of NBCD T&R event levels and coding.

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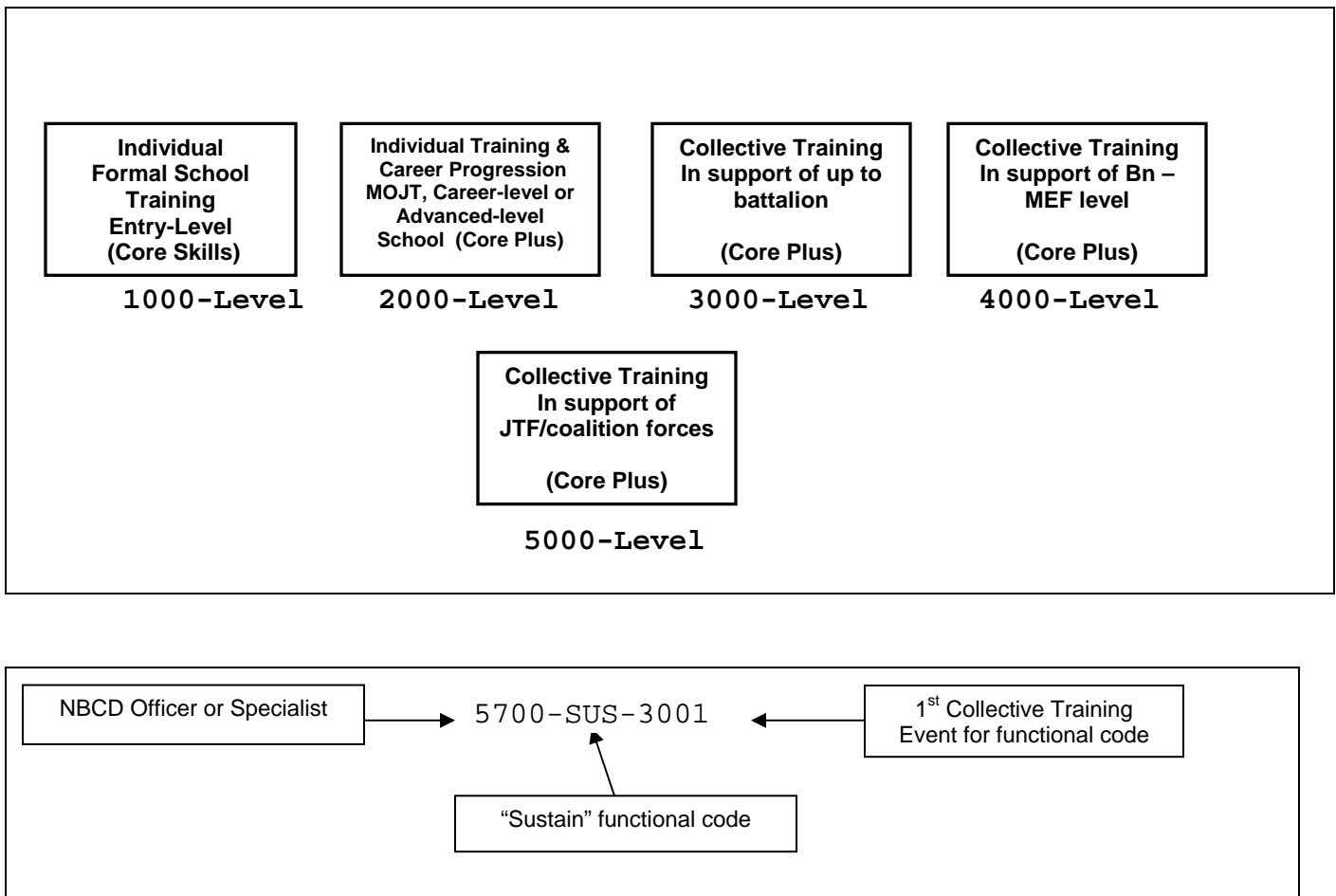


Figure 1-1: Event Levels and Coding

104. EVALUATION-CODED (E-coded) EVENTS

1. With limited time and material resources, it is imperative that commanders prioritize training to ensure their units are trained in those skills essential to accomplishing their mission. To assist with prioritization, certain events in the T&R manual are Evaluation-Coded (E-coded). Only significant events (collective or individual) that are critical components of a MET or are key indicators of a unit's readiness are E-coded. Only E-coded events are used to calculate Combat Readiness Percentage (CRP) for each MET.

2. Per reference (d), all commanders in the operating forces are required to develop a unit METL based on the Universal Joint Task List (UJTL), Universal Navy Task List (UNTL), Marine Corps Task List (MCTL), doctrine, T/O mission statement, higher headquarters' METLs, contingency plans and the assigned mission. The use of a METL-based training program

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allows the commander discretion in training and makes the T&R Manual a training tool rather than a prescriptive checklist.

3. Per reference (i), units must be capable of performing their assigned METs in an NBC environment. Therefore, NBCD METs will indirectly influence the unit METL. The commander, based on his assessment of prior training and unit proficiency, has the latitude to waive or defer entire METs and/or individual T&R events that support an approved MET. The E-code helps commanders and NBCD personnel prioritize NBCD training so it compliments the training of unit METs.

105. NBCD COMBAT READINESS PERCENTAGE (CRP) CALCULATION

1. Unit NBCD training shall be designed to accomplish the events that support the unit's METL, while simultaneously sustaining proficiency in individual core skills. The NBCD T&R Manual has events that directly support a MET. These events are E-coded and are the only events that contribute toward unit CRP. This is done to assist commanders in prioritizing the training toward their unit's METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-coded events. The number of E-coded events for the MET determines the value of each E-coded event for that particular MET. All E-coded events have equal value for CRP calculation. For example, if there are 4 E-coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine CRP. For ease of calculation, we will say that each MET has 4 E-coded events; each contributes 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-coded events for a given MET, then 75% of the MET is complete. The CRP for each MET is added together and divided by the number of METS to get the overall CRP. For example:

MET 1:	66.6% complete	(2 of 3 E-coded events trained)
MET 2:	100% complete	(2 of 2 E-coded events trained)
MET 3:	100% complete	(3 of 3 E-coded events trained)
MET 4:	50% complete	(1 of 2 E-coded events trained)
MET 5:	50% complete	(1 of 2 E-coded events trained)
MET 6:	100% complete	(2 of 2 E-coded events trained)

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To derive NBCD CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: $66.6 + 100 + 100 + 50 + 50 + 100 = 466.6$

NBCD CRP: $466.6 \text{ (total MET CRP)} / 6 \text{ (total number of METS)} = 77.8\%$

106. T&R EVENT DETAIL

1. This section explains each of the elements of a T&R event. These are all the possible items that comprise an event. If a component is not applicable to a particular event, it is omitted.

a. Event Code. The event code is a three-field character set. Each field will have up to 4 characters.

(1) The first field indicates MOS or Community (e.g., 5702, 5711, 5700).

(2) The second field indicates functional or duty area (e.g. SHD, SUS, PUB, etc.)

(3) The third field indicates the level and sequence (1000 through up to 8000)

b. Title. The name of the event.

c. Evaluation Coded. This is a "yes/no" category indicating whether or not the event is E-coded. If yes, the event contributes toward CRP of the associated MET. The value of each E-coded event is based on number of E-coded events for that MET. Refer to Section 104 for a more detailed explanation of E-Coded events.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation and retraining requirements. Skills and capabilities acquired through the accomplishment of training events are to be refreshed at pre-determined intervals. It is essential that these intervals be adhered to in order to ensure the unit and Marines of the unit maintain proficiency.

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f. Billet. Each individual training event will contain a billet code that designates who (by billet) is responsible for performing that event and any corresponding formal course required for that billet. Each commander has the flexibility to shift responsibilities based on the organization of his command. These codes are based on recommendations from the collective subject matter expertise that developed the manual and are listed for each event.

g. Grade. The rank at which NBCD personnel are required to complete the event.

h. Description. Description of event purpose, goals, objectives, and requirements. It is a general description of an action requiring learned skills and knowledge, e.g., perform MOPP gear exchange.

i. Condition. The conditions set for real world or combat situation in which the task is to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

j. Standard. The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and must be strictly adhered to. The standard for collective events will likely be general, describing the desired end-state or purpose of the event. The standard for individual events will more specifically describe to what proficiency level, specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is to be accomplished.

k. Event Components. Description of the actions that the event is composed of, or a list of subordinate, included T&R event codes and event descriptions. The event components help the user determine what must be accomplished and to properly plan for the event.

l. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that

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give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

m. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-coded events) for the related subordinate level events.

n. Related ITSS. A list of all the Individual Training Standards that support the event.

o. References. The training references shall be used to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. Since T&R Manuals provide only a training outline, references are key to developing lesson plans and adding specificity, such as performance steps, related doctrine, or other detailed information.

p. Distance Learning Products. Individual Multimedia Instruction (IMI), Computer-Based Training (CBT), Marine Corps Institute (MCI), etc. Included when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

q. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. This is a key section in the overall T&R effort, as resources will eventually be tied directly to the training towards METS. Future efforts to attain and allocate resources will be based on the requirements outlined in the T&R Manual. The list includes, but is not limited to:

- (1) Range(s)/Training Area
- (2) Equipment
- (3) Materials

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(4) Other Units/Personnel

r. Misc. Any additional information that will assist in the planning and execution of the event. The list may include, but is not limited to:

(1) Admin Instructions

(2) Special Personnel Certifications

(3) Equipment Operating Hours

2. Future revisions of the NBCD T&R manual may incorporate additional event components as applicable.

107. UNIT TRAINING

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual T&R events are the building blocks for overall unit readiness; however, unit training should take priority over training of a select, few individuals. Integration of individual and collective training events into the unit-training plan is essential. Commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and units must tailor their training plans to ensure combat readiness. Commanders should rely upon the expertise of NBCD personnel when conducting NBCD training. Reliance upon NBCD personnel, adherence to the policy contained in reference (i), and use of this manual constitutes a solid foundation for unit NBCD training.

2. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential; however, it is not necessary to have all individuals within an organization fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. Regardless of current manning, the unit must maintain the ability to accomplish its assigned mission.

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3. Commanders shall ensure that all tactical training is conducted to a T&R collective standard. The T&R manual is the unit training standard, and all training events shall support the unit METL and be tailored to meet T&R standards.

4. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by reference (e). Attendance at all formal courses must enhance the warfighting capabilities of the unit.

108. REQUIREMENTS FOR COLLECTIVE TRAINING. Collective training shall serve to achieve standards of unit proficiency required to accomplish wartime missions. Subject to such constraints as safety requirements and limits on space for training, all collective training shall be conducted under conditions and rates of activity closely approximating those that the units being trained may encounter in combat. When constraints limit the use of realistic training conditions, then simulation and other products of training technology shall be used as applicable to enhance realism. Collective training, to the degree feasible, shall include electronic warfare activity; nuclear, biological, and chemical defense activity; and the periodic use of opposing forces trained in the tactics of potential adversaries. All collective training exercises shall emphasize realistic performance of the functions of individual personnel in the exercising units. Support units shall be integrated into exercises for realistic training in their wartime supporting roles.

109. NUCLEAR, BIOLOGICAL, AND CHEMICAL DEFENSE (NBCD) TRAINING

1. All Ground T&R manuals will contain the following statement regarding training and performing unit mission essential tasks in an NBC environment:

"All personnel assigned to the operating force must be trained in NBCD in order to survive and continue their mission in an NBC environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive NBC attacks. Basic operating standards are those that the individual, and collectively the unit, must be capable of performing to continue operations in an NBC environment. In order to develop and maintain the ability to operate in an NBC environment, NBC training should be an integral part of the

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training plan and events in this T&R manual should be trained under NBC conditions whenever possible".

2. NBCD Officers and Specialists are instrumental in integrating realistic scenarios/situations that challenge units' ability to operate in an NBC environment.

3. Further guidance on NBCD training is found in reference (i).

110. NIGHT TRAINING. While it is understood that all personnel and units of the operating force must be capable of performing their assigned mission in "every clime and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited. To ensure units are capable of accomplishing their mission at night as well as during the day, they must train under the more difficult limited visibility conditions. As such, all events in this T&R manual should be conducted during the day and at night or under conditions of limited visibility. When there is limited training time available, night training should be conducted in lieu of day training.

111. APPLICATION OF SIMULATION. Simulators and other training devices for weapon systems and equipment shall be used when they are capable of effectively and economically supplementing training on the actual equipment. Particular emphasis shall be placed on simulators that provide training that might be limited by safety considerations or constraints on training space, time, or other resources. When deciding on simulation issues, the primary consideration shall be improving the quality of training and consequently the state of readiness. Potential savings in operating and support costs normally shall be an important secondary consideration.

112. UNIT TRAINING MANAGEMENT

1. Unit training management (UTM) is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of commanders at all levels in order to accomplish their wartime mission. Guidance for UTM and the process for establishing effective UTM programs are contained in references (d), (g), and (h). These references are the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the

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Systems Approach to Training (SAT) process used in METL development and Marine Corps UTM principles.

2. UTM focuses training on the tasks that are essential to a unit's wartime capabilities. The SAT process provides commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps training principles provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit training programs. The Marine Corps training principles are:

- a. Train as you fight.
- b. Make commanders responsible for training.
- c. Use standards-based training.
- d. Use performance-oriented training.
- e. Use mission-oriented training.
- f. Train the MAGTF to fight as a combined arms team.
- g. Train to sustain proficiency.
- h. Train to challenge.

3. To maintain an efficient, effective training program, it is imperative that commanders at every level fully understand and implement UTM. Further guidance and other training resources can be found on the UTM website at <http://www.tecom.usmc.mil/utm/>.

113. TRAINING EVALUATION

1. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's proficiency in the tasks it must successfully perform in combat. Informal evaluations should be conducted during every training evaluation. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events.

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2. Evaluation is a continuous process. Evaluation is integral to training management and is conducted by leaders at every level and during all phases of the planning and conduct of training. Training evaluations measure individual and collective ability to perform events specified in this T&R Manual. To ensure NBCD training is efficient and effective, it is imperative that evaluation be an integral part of the training plan. References (a), (d), and (h) provide further guidance on the conduct of informal and formal evaluations. Guidance regarding evaluations of individual and unit exercises can be found in reference (i).

114. OPERATIONAL RISK MANAGEMENT (ORM). ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment. Commanders, leaders, maintainers, planners, and schedulers shall integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Marines and leaders. Further guidance for ORM can be found in reference (f).

115. CONCLUSION. The Marine Corps Ground T&R Program continues to evolve. The vision for this program is that it will link the Uniform Joint Task List (UJTL), the Uniform Navy Task List (UNTL), and the Marine Corps Task List (MCTL) to METLs and unit training. In doing so, it will tie all training and training resources directly to unit missions. The Defense Readiness Reporting System (DRRS) is currently being developed and will eventually encompass Enhanced Status of Readiness and Training System (ESORTS). The purpose of this system is to measure and report on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the

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Secretary of Defense. Training readiness in DRRS will be based primarily on METs. Because unit CRP is based on the unit's training towards its METs, it will provide a more accurate picture of a unit's ability to accomplish its mission. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to commanders' METLs.

NBCD T&R MANUAL

CHAPTER 2

MILITARY OCCUPATIONAL SPECIALTY CORE CAPABILITIES

SECTION 1:

5702: NBC DEFENSE OFFICER

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SECTION 1:**5702: NBC DEFENSE OFFICER**

201. Career Progression Philosophy. The Career Progression Philosophy for the Marine Corps Nuclear, Biological and Chemical Defense Officer (NBCDO) (MOS 5702) is supported through a structured training plan integrated with a systematic and progressive assignment policy. This plan consists of formal training (Level A) and advanced formal training (Level B) at the Marine Corps NBC Defense School and the U.S. Army Chemical School, Fort Leonard Wood, MO, respectively, and two levels of individual training (1 & 2) conducted during assignments within the Operating Forces. The objective of this training is to provide officers the knowledge and experience required to provide effective NBCD support, advice, and assistance to commanders at every level. This objective is accomplished through completion of formal schools, individual training, specialized schools, exercises, and operational deployments. Level A training is designed to provide officers the basic skills necessary to function as NBCDOs and attain the 5702 MOS. Level 1 training is designed to reinforce basic skills and provide additional skills required to fulfill unit-level NBCD duties. Level B training is designed to provide officers advanced knowledge necessary to function at higher-level commands. Level 2 training is designed to reinforce advanced knowledge and provide additional skills required to fulfill MAGTF or Major Subordinate Command-level NBCD duties.

202. Billet Description. NBCDOs are assigned as a special staff officer to the commander under the cognizance of the Operations Officer (S-3/G-3). He is responsible for advising the commander and the staff on all matters pertaining to NBCD. He ensures the unit is properly trained in NBCD Individual Survival Measures, NBCD team operations, and unit decontamination procedures. He also ensures the unit's training includes conducting Mission Essential Tasks in a NBC environment and that unit NBCD personnel (MOS 5702/5711) receive all required training. He is responsible for producing NBCD appendixes to operations orders and NBCD SOPs. He is also responsible for ensuring the unit can effectively conduct NBCD warning and reporting and/or establish an NBC Control Center, dependant on the level of command. Finally, he is responsible for ensuring the accountability, serviceability and distribution of all NBCD related equipment assigned to his command.

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203. Core Skills. Core skills are those essential skills that enable the Marine to perform in combat and qualify that Marine for an MOS. The following core skills are identified for MOS 5702:

1. Advise and make recommendations to the commander and staff with respect to all NBCD matters.
2. Establish a Command NBCD training program that ensures the unit can survive and conduct operations in a NBC environment.
3. Produce appendixes and SOPs to support operations.
4. Conduct NBCD warning and reporting and be capable of establishing and operating an NBC Control Center.
5. Monitor and report unit readiness as required.
6. Supervise serviceability, distribution, embarkation, TPFDD and issue of NBCD equipment as required.
7. Supervise the employment of all assigned NBCD equipment and assets.

204. Billet Applicability. The basic duties and core skills for all NBCDOs assigned within the MAGTF are similar. As NBCDOs are assigned to higher-level staffs, their duties are expanded. Additional duties and responsibilities are discussed below.

1. For NBCDOs assigned to the following units, their duties and responsibilities are those listed above in the billet description and core skills.

- a. Infantry Battalion
- b. Artillery Battalion
- c. Headquarters Battalion
- d. Headquarters and Service Battalion
- e. Light Armored Reconnaissance Battalion
- f. Combat Engineer Battalion
- g. Amphibious Assault Vehicle Battalion

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- h. Combat Assault Battalion
- i. Tank Battalion
- j. Chemical Biological Incident Response Force
- k. Marine Security Guard Battalion
- l. Anti-Terrorism Battalion

2. In addition to the duties and responsibilities listed in paragraph 203.a, NBCDOs assigned to the following units must also be capable of providing subject matter expertise and guidance to subordinate units and ensure they complete a NBCD operational readiness evaluation.

- a. Infantry Regiment
- b. Artillery Regiment
- c. Marine Aircraft Group
- d. Marine Wing Support Group

3. In addition to the duties and responsibilities listed in paragraphs 204.a and 204.b, NBCDOs assigned to Marine Expeditionary Units must also be able to provide advice relative to NBCD in the conduct of MEU(SOC) missions.

4. For NBCDOs assigned to the following units or billets, their duties and responsibilities include those listed in paragraphs 204.a through 204.c. Additionally, they must establish a Major Subordinate Command (MSC)/MEF level inspection/evaluation program designed to ensure subordinate units are properly manned, trained and equipped to survive and operate in a NBC environment. Officers must also be capable of establishing and operating a NBC Control Center. Finally, they must review all NBC requirements documents as part of the DoD Chemical/Biological Defense Program under the Deputy Assistant to the Secretary of Defense for Chemical and Biological Defense (DATSD(CBD)).

- a. Marine Division NBC Defense Officer
- b. Assistant Marine Division NBC Defense Officer

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- c. Marine Aircraft Wing NBC Defense Officer
- d. Assistant Marine Aircraft Wing NBC Defense Officer
- e. Force Service Support Group NBC Defense Officer
- f. Assistant Force Service Support Group NBC Defense Officer
- g. Marine Expeditionary Brigade NBC Defense Officer
- h. Marine Expeditionary Force NBC Defense Officer
- i. Assistant Marine Expeditionary Force NBC Defense Officer

5. For NBCDOs assigned to the Marine Forces, their duties and responsibilities include those listed in paragraphs 204.a, 204.b, and 204.d above. Additionally, they are responsible for the following:

- a. Action Officer for Counter Proliferation policy, resourcing and requirements.

- b. Draft and brief input to the CJCS Joint Monthly Readiness Review, the Combatant Commander Integrated Priority Lists, the Strategic Deterrence Joint Warfighting Capabilities Assessment Program, and the Joint Requirements Oversight Council.

- c. Review or coordinate review of all NBC Requirements documents under the OSD CB Defense Program. Manage/Provide resourcing oversight for Advanced Concept Technology Demonstrations (ACTD).

- d. Manage a MARFOR Staff Assist Program, versus an inspection/evaluation program as listed in paragraph 204.d above.

6. Supporting Establishment Billets. There are several billets in the supporting establishment required to effectively support NBCD in the Marine Corps. The duties and responsibilities of the NBCDOs assigned are billet dependent. Tasks include: determining personnel and equipment requirements for the force, reviewing, selecting and procuring required equipment, reviewing and updating doctrine, and training the force. Some of these billets are listed below.

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- a. Marine Corps Combat Development Command NBC Defense Requirements Officer
- b. Marine Corps Combat Development Command NBC Defense Doctrine Officer
- c. Marine Corps Systems Command NBC Defense Officer
- d. Plans, Policy, and Operations (PP&O) NBC Defense Officer
- e. Director, Marine Corps NBC Defense School
- f. The Basic School NBC Defense Officer
- g. Defense Nuclear Weapons School NBC Defense Officer
- h. Defense Threat Reduction Agency NBC Defense Officer
- i. U.S. Central Command NBC Defense Officer

SECTION 2:**5711: NBC DEFENSE SPECIALIST**

205. Career Progression Philosophy. The Career Progression Philosophy for the Marine Corps Nuclear, Biological and Chemical Defense (NBCD) Specialist (MOS 5711) is supported through a structured training plan. This plan consists of formal training (Level A & B) at the Marine Corps NBC Defense School, Fort Leonard Wood, Missouri and two levels of individual training (1 & 2) conducted in the Operating Forces. The objective of this training and readiness manual is to provide specialists with the knowledge and experience required to provide effective NBCD support, advice, and assistance to Commanders at every level. This objective is accomplished through completion of formal schools, individual training, specialized schools, exercises, and operational deployments/exercises. Level A training is designed to provide Marines with the basic skills necessary to function as NBCD specialists and attain the 5711 MOS. Level 1 training is designed to reinforce basic skills and provide additional skills required to fulfill unit level NBCD billets. Level B training (under development) will be designed to provide Staff Non-Commissioned Officers advanced knowledge necessary to function at higher-level commands. Level 2 training is designed to reinforce advanced knowledge and provide additional skills required to fulfill MAGTF or Major Subordinate Command Level NBCD billets.

206. Billet Description. NBCD Specialists are assigned within the Operations Section under the cognizance of the unit NBCDO or Operations Officer (S-3/G-3). Regardless of their rank, they are responsible for assisting their NBCDO, SNCO or NCO in advising the commander and the staff on all matters pertaining to NBCD. He provides training to ensure the unit is properly trained in NBCD Individual Survival Measures, NBCD team operations, and unit decontamination procedures. Specialists also assist in ensuring the unit's training includes conducting Mission Oriented Tasks in a NBC environment and that unit NBCD personnel (MOS 5702/5711) receive all required training. They assist in producing NBCD appendixes to operations orders and NBCD SOPs. NBCD Specialists are also responsible for ensuring the unit can effectively conduct NBCD warning and reporting and/or establish an NBC Control Center, dependant upon the level of command. They are responsible for assisting in ensuring accountability, serviceability and distribution of all NBCD related equipment and assets assigned to his command. Finally,

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all NBCD Specialists must be prepared to assume the role as the unit NBCDO, SNCO or NCO.

207. Core Skills. Core skills are those essential skills that enable the Marine to perform in combat and qualify them for an MOS. For NBCD Specialists, the core skills do not change drastically between ranks, the type and level of involvement does however. As NBCD Specialists become more senior, their core skills change from doing and performing, to coordinating, directing and supervising. The following core skills are identified for MOS 5711:

1. Advise or assist the NBCDO, SNCO and NCO with advising and making recommendations to the Commander and the staff with respect to all NBCD matters.

2. Be familiar with the duties and responsibilities of the NBCDO, SNCO and NCO, as applicable, and be prepared to assume them in their absence.

3. Coordinate, conduct, supervise, and evaluate NBCD Individual Survival Measures training.

4. Plan, coordinate, conduct, supervise, and evaluate NBCD team training.

5. Plan, coordinate, train, supervise, evaluate, and direct operational decontamination.

6. Be familiar with tactics, techniques, and procedures for thorough decontamination operations (non-NCO).

7. Plan, coordinate, train, supervise, and evaluate thorough decontamination operations (NCO and above).

8. Plan, coordinate, train, supervise, evaluate, and direct monitor survey operations.

9. Train, supervise, evaluate, and conduct NBC Control Center Operations.

10. Plan, coordinate, supervise, and conduct mask/individual protective equipment (IPE) confidence exercise.

11. Plan, coordinate, conduct, supervise, and evaluate the integration of NBCD training into unit operations.

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12. Plan, coordinate, conduct, supervise, and evaluate MOS 5711 training.

13. Maintain unit NBCD SOP that covers all NBCD requirements.

14. Be familiar with and assist in producing required NBCD appendixes for unit operations.

15. Maintain current publications.

16. Maintain and/or supervise the maintenance of NBCD equipment in accordance with current publications and directives.

17. Maintain, supervise, and evaluate the maintenance of equipment shelf life for assigned equipment, utilizing current automated system.

18. Conduct or supervise the embarkation, distribution, issue and TPFDD of assigned NBCD equipment, as required.

19. Conduct, supervise, and evaluate proper accountability and safeguarding of NRC licensed radiological sources (NBCD specific equipment).

20. Plan, coordinate, conduct, supervise, and evaluate chemical casualty handling.

21. Plan, coordinate, conduct, supervise, and evaluate NBC warning and reporting.

22. Maintain currency on evolving NBCD TTPs.

23. Advise the commander on all matters pertaining to hazards associated with low-level radiation (LLR), releases other than attack (ROTA) and toxic industrial materials (TIM). (NCO and above)

24. Recommend employment of special NBCD equipment, elements or units (US and non-US). (SNCO and above)

25. Provide recommended SORTS CBD levels and remarks to the unit SORTS Officer.

26. Perform all other duties as directed by the NBCDO, SNCO and NCO.

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208. Billet Applicability. There are four distinct billet positions or levels of responsibility that NBCD Specialists fill. They are Non-NCO, NCO, SNCO and NBCD Chief. The basic duties and core skills for all NBCD Specialists assigned within the MAGTF are similar in regards to their level of responsibility. The following chart identifies which units these billet positions are most commonly found.

UNIT	NON-NCO	NCO	SNCO	CHIEF
MARINE DIVISION				
Infantry Battalion	X	X		
Infantry Regiment		X	X	
Artillery Battalion	X	X		
Artillery Regiment		X	X	
Headquarters Battalion	X	X		
Light Armored Reconnaissance Battalion	X	X	X	
Combat Engineer Battalion	X	X		
Amphibious Assault Vehicle Battalion	X	X		
Combat Assault Battalion	X	X		
Tank Battalion	X	X		
Reconnaissance Battalion	X	X		
Marine Division Platoon	X	X	X	X
FORCE SERVICE SUPPORT GROUP				
Headquarters and Service Battalion	X	X	X	
Medical Battalion	X	X		
Dental Battalion	X	X		
Transportation Support Battalion	X	X		
Engineer Support Battalion	X	X		
Maintenance Battalion	X	X	X	
Supply Battalion	X	X	X	
Military Police Battalion		X		
Combat Service Support Detachment	X	X		
Force Service Support Group Platoon	X	X	X	X

UNIT	NON-NCO	NCO	SNCO	CHIEF
MARINE AIRCRAFT WING				
Marine Aircraft Group	X	X	X	
Marine Service Support Squadron	X	X		
Marine Service Support Group		X	X	
MACG	X		X	
MWCS	X			
MTACS		X		
Low Altitude Air Defense Battalion		X		
MASS		X		
Marine Wing Headquarters Squadron	X			
Marine Aircraft Wing Section	X	X	X	X
MEF HEADQUARTERS				
MEF Headquarters			X	X
MEF Headquarters Group		X	X	
MEB Headquarters		X		X
MEU Headquarters			X	
Communications Battalion		X		
Intel Battalion	X			
Force Reconnaissance Company		X		
Marine Forces				
Marine Forces Headquarters			X	X
Headquarters and Service Battalion		X		
Radio Battalion		X		
OTHER (see note below)				
Chemical Biological Incident Response Force	X	X	X	
Marine Corps Security Forces	X	X		
Marine Security Guard Battalion	X	X		
Anti-Terrorism Battalion	X	X		
NBC Defense School, FLW	X	X	X	X
Marine Corps Combat Develop Command			X	
Marine Corps System Command			X	
Marine Corps Logistics Bases, Albany			X	
Equipment Assessment Unit			X	
Plans, Policy and Operations (HQMC)			X	
The Basic School, Quantico, VA		X		

NBCD T&R MANUAL**APPENDIX A****FUNCTIONAL CODE LIST**

•SHP - **SHAPE (Battle Management)** - Provides the ability to characterize the CBRN hazard to the force commander - develop a clear understanding of the current and predicted CBRN situation; collect, query, and assimilate info from sensors, intelligence, medical, etc., in near real time to inform personnel, provide actual and potential impacts of CBRN hazards; envision critical SENSE, SHIELD and SUSTAIN end states (preparation for operations); visualize the sequence of events that moves the force from its current state to those end states.

•SNS - **SENSE (Contamination Avoidance)** - The capability to continually provide the information about the CBRN situation at a time and place by detecting, identifying, and quantifying CBRN hazards in air, water, on land, on personnel, equipment or facilities. This capability includes detecting, identifying, and quantifying those CBRN hazards in all physical states (solid, liquid, gas).

•SHD - **SHIELD (Protection)** - The capability to shield the force from harm caused by CBRN hazards by preventing or reducing individual and collective exposures, applying prophylaxis to prevent or mitigate negative physiological effects, and protecting critical equipment.

•SUS - **SUSTAIN (Decontamination)** - The ability to conduct decontamination and medical actions that enable the quick restoration of combat power, maintain/recover essential functions that are free from the effects of CBRN hazards, and facilitate the return to pre-incident operational capability as soon as possible.

•TRG - **TRAINING** - Conduct of training, training management, and organizing training plans.

•EQP - **EQUIPMENT** - Maintenance of NBCD equipment.

•PUB - **PUBLICATIONS** - Pubs and records management.

•EVA - **INSPECTION/EVALUATIONS** - Conducting and supervising unit NBCD training.

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APPENDIX B

EVENT LIST

MET 1: CONDUCT DECONTAMINATION OPERATIONS

<u>Event Code:</u>	"E" Coded <u>Event:</u>	<u>Description:</u>
5700-SUS-1001		Perform immediate decontamination operations
5700-SUS-1002		Perform MOPP gear exchange
5700-SUS-1003		Perform vehicle wash down
5700-SUS-1004		Operate power driven decontamination equipment
5700-SUS-1005		Identify the procedures for conducting detailed troop decontamination
5700-SUS-1006		Identify the procedures for conducting detailed equipment decontamination
5700-SUS-1007		Identify the procedures for conducting detailed aircraft decontamination
5700-SUS-1008		Identify procedures for casualty decontamination
5700-EQP-1001		Perform PMCS on NBC defense decontamination equipment
5700-SUS-2001		Perform detailed troop decontamination operations
5700-SUS-2002		Perform detailed equipment decontamination operations
5700-SUS-2003		Perform detailed aircraft decontamination operations

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5700-SUS-2004		Identify requirements for special decontamination operations
5700-SUS-3001	X	Perform operational decontamination operations
5700-SUS-3002		Coordinate thorough decontamination operations
5700-SUS-3003	X	Perform decontamination operations
5700-SUS-3004		Perform thorough decontamination operations
5700-SUS-3005		Coordinate special decontamination operations
5700-SUS-3006	X	Conduct casualty decontamination and evacuation operations
5700-SUS-3007		Plan and coordinate logistical requirements for conducting decontamination operations

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5700-SUS-1001 Perform immediate decontamination operations**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 3

Description: As soon as an individual becomes aware of chemical, biological or radiological contamination on his skin or personal equipment, he will initiate immediate decontamination techniques. Immediate decontamination consists of three techniques; skin decontamination, personal wipe down, and operator spray down/wipe down. These are initiated without command, utilizing a personal skin decontamination kit, individual equipment decontamination kit, or field expedient methods. The goal is to remove gross contamination and in order to stop agents from penetrating skin, protective equipment and other equipment/weapons.

Condition: Provided with the necessary decontamination assets, and given a simulated situation where unit personnel have been contaminated.

Standard: Decontaminate individuals and personal equipment, utilizing the techniques and recommended time constraints in accordance with the reference.

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-SUS-1002 Perform MOPP gear exchange**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 3

Description: MOPP gear exchange is generally conducted by a squad-sized unit, and is most effective if initiated within six hours of contamination. The unit will systematically remove contaminated chemical protective equipment and redress into uncontaminated chemical protective equipment (MOPP 4). Operational decontamination limits the spread of contamination, allows temporary relief from MOPP 4, and facilitates additional decontamination requirements.

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Condition: Provided with the necessary decontamination assets and chemical protective equipment, and given a simulated situation where unit personnel have been contaminated.

Standard: Perform MOPP gear exchange, without causing cross contamination, utilizing the techniques and recommended time constraints in accordance with the reference.

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-SUS-1003 Perform vehicle wash down

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: Vehicle wash down is conducted utilizing unit organic decontamination assets and is most effective if initiated within six hours of contamination. The vehicle is sprayed with water to remove the gross contamination, thereby limiting the spread of contamination and facilitating additional decontamination requirements.

Condition: Provided with the necessary decontamination assets (to include water), chemical protective equipment and vehicle assets, and given a simulated situation where unit vehicles have been contaminated.

Standard: Perform vehicle wash down utilizing the techniques and recommended time constraints in accordance with the reference.

Chained Events: 5700-SUS-1005

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-SUS-1004 Operate power driven decontamination equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

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Description: To operate the power driven decontamination equipment, in support of unit decontamination operations, the individual must be able to set up, fuel, conduct pre-operation checks and services, start, operate, shut down, and conduct post-operation checks and services on the equipment. The individual must also be able to properly utilize the equipment during decontamination operations (i.e. safely spray water utilizing wand assemblies.

Condition: Provided with power driven decontamination equipment, fuel, water, and applicable technical manuals.

Standard: Operate power driven decontamination equipment in accordance with applicable technical manuals.

Prerequisite Events: 5700-SUS-1004

References: TM 01034C-15/1A Tank Fabric Collapsible 3000 Gal
TM 10692A-23&P/2 Decontamination Apparatus M17MCHF

Rank: Pvt through CWO

5700-SUS-1005 Identify the procedures for conducting detailed troop decontamination

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: Detailed troop decontamination is utilized to decontaminate personal equipment and weapons by safely removing contaminated chemical protective equipment from personnel. At the completion of detailed troop decontamination, personnel will no longer be in a protective posture. Individuals must be able to identify when and where detailed troop decontamination should be conducted, logistical requirements, site set up and close out, and procedures utilized to process personnel and equipment through the site.

Condition: Given the requirement to establish a detailed troop decontamination site.

Standard: With the aid of reference, identity the procedures for conducting detailed troop decontamination.

References: MCWP 3-37.3 NBC Decontamination

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Rank: Pvt through CWO

5700-SUS-1006 Identify the procedures for conducting detailed equipment decontamination

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Detailed equipment decontamination is utilized to decontaminate vehicles and equipment to a level in which chemical protective posture is not required to operate them. Individuals must be able to identify when and where detailed equipment decontamination should be conducted, logistical requirements, site set up and close out, and procedures utilized to process vehicles and equipment through the site.

Condition: Given the requirement to establish a detailed equipment decontamination site.

Standard: With the aid of reference, identify the procedures for conducting detailed equipment decontamination.

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-SUS-1007 Identify the procedures for conducting detailed aircraft decontamination

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Detailed aircraft decontamination is utilized to decontaminate aircraft to a level in which chemical protective equipment is not required to operate them. Individuals must be able to identify when and where detailed aircraft decontamination should be conducted, logistical requirements, site set up and close out, and procedures utilized to process aircraft through the site.

Condition: Given the requirement to establish a detailed aircraft decontamination site.

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Standard: With the aid of reference, identity the procedures for conducting detailed aircraft decontamination.

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-SUS-1008 Identify procedures for casualty decontamination

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Casualty decontamination is utilized to remove all traces of contamination from personnel who are unable to conduct operational or thorough decontamination on their own in order to limit the spread of contamination during evacuation or to admit them into a medical treatment facility. Casualty decontamination can be conducted at the unit level prior to evacuation or at consolidated casualty collection point co-located at with a medical treatment facility. Individuals must be able to identify when and where casualty decontamination should be conducted, logistical requirements, site set up and close out, and procedures utilized to process a casualty through the site.

Condition: Given the requirement to evacuate a chemical casualty for medical treatment.

Standard: With the aid of reference, identify the procedures for conducting casualty decontamination.

Chained Events: 5700-SUS-1005

References: MCWP 3-37.3 NBC Decontamination

Rank: Pvt through CWO

5700-EQP-1001 Perform PMCS on NBC defense decontamination equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

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Description: In order to perform decontamination operations, units must utilize and maintain decontamination equipment. This equipment includes power driven decontamination equipment and other non-powered equipment. All the decontamination equipment requires preventive maintenance, checks and services (PMCS) be performed on them to ensure they are maintained in operating order. This PMCS may be monthly, quarterly or time (hours) based, depending on the equipment and its technical manual.

Condition: Provided with assigned decontamination equipment, tools and applicable technical manuals.

Standard: With the aid of references, perform PMCS on NBC defense decontamination equipment in accordance with applicable technical manuals.

Chained Events: 5700-SUS-1005

References: TM 01034C-15/1A Tank Fabric Collapsible 3000 Gal
TM 10692A-23&P/2 Decontamination Apparatus M17MCHF

Rank: Pvt through CWO

5700-SUS-2001 Perform detailed troop decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Detailed troop decontamination is utilized to decontaminate personal equipment and weapons and safely remove contaminated chemical protective equipment from personnel. At the completion of detailed troop decontamination, personnel will no longer be in a protective posture. Individuals must be able to determine when and where detailed troop decontamination should be conducted, identify logistical requirements, perform site set up and close out, and oversee the procedures utilized to process personnel and equipment through the site.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, site station attendant personnel and applicable reference, and given a simulated situation where unit personnel have been contaminated.

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Standard: Perform detailed troop decontamination operations without contaminating personnel's skin or clothing, utilizing procedures in accordance with the reference.

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-2002 Perform detailed equipment decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Detailed equipment decontamination is utilized to decontaminate vehicles and equipment to a level in which chemical protective equipment is not required to operate them. Individuals must be able to determine when and where detailed equipment decontamination should be conducted, identify logistical requirements, perform site set up and close out, and oversee the procedures utilized to process vehicles and equipment through the site.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, site station attendant personnel and applicable references, and given a simulated situation where unit vehicles and equipment have been contaminated.

Standard: Perform detailed equipment decontamination operations utilizing procedures in accordance with the reference.

Chained Events: 5700-SUS-1005

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-2003 Perform detailed aircraft decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

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Description: Detailed aircraft decontamination is utilized to decontaminate aircraft to a level in which chemical protective equipment is not required to operate them. Individuals must be able to determine when and where detailed aircraft decontamination should be conducted, identify logistical requirements, perform site set up and close out, and oversee the procedures utilized to process aircraft through the site.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, site station attendant personnel and applicable references, and given a simulated situation where unit aircraft have been contaminated.

Standard: Perform detailed aircraft decontamination operations utilizing procedures in accordance with the reference.

Chained Events: 5700-SUS-1007

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-2004 Identify requirements for special decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Special decontamination operations cover a wide variety of decontamination operations. Included under special decontamination are: terrain, fixed site, vulnerable equipment, depleted uranium, contaminated remains and radiological. The decontamination requirements, procedures and required equipment for each type of special decontamination are type and situational dependant.

Condition: Given the requirement to conduct special decontamination operations.

Standard: With the aid of reference, identify the requirements for special decontamination operations.

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

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5700-SUS-3001 Perform operational decontamination operations**Evaluation Coded (E-Coded):** Yes**Sustainment Interval:** 6

Description: Operational decontamination consists of the unit performing MOPP gear exchange and vehicle wash down utilizing organic equipment and personnel. The unit must ensure they have personnel trained to conduct operational decontamination operations without direct supervision from the unit NBC defense personnel. Operational decontamination should be conducted within six hours of contamination and in a location near the unit's original position, but not within an area where there is a threat of high chemical agent vapor concentration or unit attack. The unit may divide into smaller elements in order to conduct operational decontamination operations separately for different elements, thereby maintaining an operational capability while still completing decontamination. The unit NBC defense personnel should be responsible for coordinating the overall operation and should not direct the operations of individual elements. The unit must be able to support and exercise the logistical requirements needed to support operational decontamination operations.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, and trained unit personnel, and given a simulated situation where unit personnel and vehicles have been contaminated.

Standard: Perform operational decontamination operations, without causing cross contamination, utilizing the techniques and recommended time constraints in accordance with the reference.

Chained Events: 5700-SUS-1002, 5700-SUS-1003

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-3002 Coordinate thorough decontamination operations**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

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Description: Thorough decontamination operations require tremendous logistical support to conduct. Because of the resources needed, such as water, decontaminates, personnel, replacement chemical protective equipment, engineering assets, and the size of the location, a great deal of coordination is required. Normally, thorough decontamination operations will only be conducted during retrograde or operational pauses. Additionally, because of the tremendous logistical burden, thorough decontamination operations will generally be coordinated at the MAGTF level, and not be individual units. All units and their NBC defense personnel must be familiar with the procedures, logistics, and coordination required to conduct thorough decontamination operations should they be tasked to support them.

Condition: Provided with the requirement to establish a thorough decontamination site, and given a simulated scenario which includes estimated number of personnel and vehicles requiring decontamination and the possible external assets available.

Standard: Coordinate thorough decontamination operations in order to ensure the personnel, equipment, and other required resources are available to conduct thorough decontamination operations, utilizing the techniques and recommended time constraints in accordance with the reference.

Chained Events: 5700-SUS-1005, 5700-SUS-1006

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-3003 Perform decontamination operations

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: For a unit, performing decontamination operations will consist of the unit conducting immediate and operational decontamination, and may, dependant on the unit, include thorough decontamination. All decontamination operations should be conducted in a field environment, utilizing organic assets. For thorough decontamination, units may request support from units outside their immediate command. During the conduct of

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decontamination operations, simulation should be minimized to the greatest extent possible. Decontamination operations should be integrated into the units field exercise and should not be conducted as a stand-alone exercise.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, and trained unit personnel, and given a simulated situation where unit personnel and vehicles have been contaminated.

Standard: Perform decontamination operations as an integrated part of a field exercise, while limiting the spread of contamination, utilizing the techniques and recommended time constraints in accordance with the references.

Prerequisite Events: 5700-SUS-1001

Chained Events: 5700-SUS-1001, 5700-SUS-2001, 5700-SUS-2002, 5700-SUS-3004

References: MCWP 3-37.3 NBC Decontamination
MCWP 3-37 MAGTF NBC Def Ops

Rank: Cpl through CWO

5700-SUS-3004 Perform thorough decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Thorough decontamination operations require tremendous logistical support to conduct. Because of the resources needed, such as water, decontaminates, personnel, replacement chemical protective equipment, engineering assets, and the size of the location, a great deal of coordination is required. Normally, thorough decontamination operations will only be conducted during retrograde or operational pauses. Additionally, because of the tremendous logistical burden, thorough decontamination operations will generally be coordinated at the MAGTF level, and not by individual units. In order to properly perform thorough decontamination operations, the unit must coordinate all logistical requirements, set up the site, ensure the required number of personnel and equipment are available to operate the site, provide simulated contaminated personnel and vehicles to be processed through the site, and

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close out the site. During the conduct of thorough decontamination operations, simulation should be minimized to the greatest extent possible. Because thorough decontamination operations are generally only conducted during retrograde or operational pauses, they may be conducted as a stand-alone exercise.

Condition: Provided with the necessary decontamination assets, chemical protective equipment, external support, personnel and other required resources, and given a simulated situation where unit personnel and vehicles have been contaminated in a field environment.

Standard: Perform thorough decontamination operations in a field environment, while reducing simulated contamination to a negligible level, utilizing the techniques and recommended time constraints in accordance with the reference.

Prerequisite Events: 5700-SUS-3002

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-3005 Coordinate special decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Special decontamination operations cover a wide variety of decontamination operations. Included under special decontamination are: terrain, fixed site, vulnerable equipment, depleted uranium, contaminated remains, and radiological. The decontamination requirements, procedures and required equipment for each type of special decontamination are type and situational dependant. All units and their NBC defense personnel must be familiar with the procedures, logistics and coordination required to conduct special decontamination operations should they be tasked to support them.

Condition: Provided with the requirement to conduct special decontamination operations, and given a simulated scenario, which includes type of special decontamination to be conducted, amount of assets to be decontaminated, and the possible assets available.

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Standard: Coordinate special decontamination operations in order to ensure the personnel, equipment and other required resources are available to conduct special decontamination operations, utilizing the techniques and recommended time constraints in accordance with the reference.

Prerequisite Events: 5700-SUS-2004

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-3006 Conduct casualty decontamination and evacuation operations

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: Casualty decontamination is utilized to remove all traces of contamination from personnel who are unable to conduct operational or thorough decontamination on their own in order to limit the spread of contamination during evacuation or to admit them into a medical treatment facility. Casualty decontamination can be conducted at the unit level prior to evacuation or at consolidated casualty collection point co-located at with a medical treatment facility. The level to which a casualty is decontaminated is dependant on the unit conducting the evacuation and the additional resources provided in the exercise scenario. In order to properly conduct casualty decontamination and evacuation operations, all units and their NBC defense personnel must be able to identify when and where casualty decontamination should be conducted, coordinate the logistical requirements, set up the site, process casualties through the site, close out the site, and evacuate the casualty to the next level of medical treatment. During the conduct of casualty decontamination and evacuation operations, simulation should be minimized to the greatest extend possible. Casualty decontamination and evacuation operations should be integrated into the units field exercise and should not be conducted as a stand-alone exercise.

Condition: Provided with the necessary decontamination assets and trained unit personnel, and given a simulated situation where unit personnel have become contaminated casualties requiring evacuation in a field environment.

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Standard: Perform casualty decontamination and evacuation operations as an integrated part of a field exercise, while limiting the spread of contamination and without exacerbating the casualties' injuries or delaying their evacuation, utilizing the techniques and recommended time constraints in accordance with the reference.

Chained Event: 5700-SUS-1008

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

5700-SUS-3007 Plan and coordinate logistical requirements for conducting decontamination operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: For a unit, performing decontamination operations will consist of the unit conducting immediate and operational decontamination, and may, dependant on the unit, include thorough decontamination. All decontamination operations should be conducted in a field environment, utilizing organic assets. For thorough decontamination, units may request support from units outside their immediate command. During the conduct of decontamination operations, simulation should be minimized to the greatest extent possible. Decontamination operations should be integrated into the units field exercise and should not be conducted as a stand-alone exercise. All units and their NBC defense personnel must be familiar with the procedures, logistics, and coordination required to plan and conduct decontamination operations.

Condition: Provided with the requirement to conduct decontamination operations, and given a simulated scenario which includes level of decontamination to be conducted, estimated number of personnel, vehicles, casualties, and equipment requiring decontamination and possible external assets available.

Standard: Plan and coordinate logistical requirements for conducting decontamination operations in order to ensure the personnel, equipment, and other required resources are available to conduct decontamination operations, utilizing the techniques

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and recommended time constraints in accordance with the reference.

References: MCWP 3-37.3 NBC Decontamination

Rank: Cpl through CWO

NBCD T&R MANUAL

APPENDIX C

EVENT LIST

MET 2: MAINTAIN NBC DEFENSE EQUIPMENT

<u>Event Code:</u>	<u>"E" Coded Event:</u>	<u>Description:</u>
5700-EQP-1002		Identify NBC defense equipment inventory requirements
5700-EQP-1003		Identify NBC defense equipment record requirements
5700-EQP-1004		Identify NBC defense equipment current automated systems requirements
5700-EQP-1005		Perform equipment maintenance
5700-EQP-1006		Identify requirements for maintaining NBC defense specific equipment containing radiological sources
5700-EQP-1007		Identify training requirements for maintaining NBC defense specific hazardous materials
5700-EQP-2001		Identify NBC defense budget requirements
5700-EQP-2002		Identify transportation requirements for NBC defense specific equipment containing radiological sources
5700-EQP-2003		Identify embarkation requirements
5700-EQP-2004		Perform the duties of the Responsible Officer (RO) for the NBC defense account
5700-EQP-2005		Identify equipment requirements

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5700-EQP-2006		Maintain accountability of NBC defense equipment
5700-EQP-2007		Identify requirements for distribution of NBC defense equipment
5700-EQP-2008	X	Maintain NBC defense equipment
5700-EQP-2009		Maintain NBC defense specific equipment containing radiological sources
5700-EQP-3001		Maintain an NBC defense equipment account
5700-EQP-3002		Coordinate distribution of NBC defense equipment
5700-EQP-3003	X	Identify Time Phased Force Deployment Data (TPFDD) requirements
5700-EQP-3004		Determine NBC defense equipment readiness
5700-EQP-4001		Identify NBC defense equipment usage rates and resupply requirements
5700-EVA-2001		Identify NBC defense readiness inspection requirements
5700-EVA-2002		Identify NBC defense logistics inspection program requirements
5700-EVA-2003		Identify NBC defense operational inspections requirements
5700-EVA-2004		Identify current SORTS Chem/Bio Defense (CBD) reporting requirements
5700-EVA-2005		Conduct inspections
5700-EVA-2006		Determine SORTS Chem/Bio Defense (CBD) rating

5700-PUB-1001	Identify requirements for maintaining a publications library
5700-PUB-2001	Identify unit NBC defense SOP requirements
5700-PUB-2002	Maintain publications library
5700-PUB-2003	Produce a unit NBC defense SOP

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5700-EQP-1002 Identify NBC defense equipment inventory requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Most Marine Corps units are authorized and possess some amount of NBC defense equipment. The types and amount of equipment held is dependant on the unit, their mission and their training requirements. Regardless of the amount, all units are required to maintain an accurate inventory of all equipment they possess. NBC defense equipment inventory requirements can include the NBC defense responsible officer (RO) Consolidated Memorandum Record (CMR), the NBC Defense Equipment Management Program (NBC DEMP) and other required inventories such as the annual inventory of NBC defense specific equipment containing radiological sources. In addition to the previously mentioned inventory requirements, NBC defense equipment that contains parts, components and accessories listed on a SL-3, must also be inventoried.

Condition: Provided with the necessary SL-3s, and/or a listing of authorized and possessed NBC defense equipment which containing TAMCN, NSN, nomenclatures, quantities, serial number (if applicable), and other required elements of equipment information.

Standard: With the aid of reference, identify NBC defense equipment inventory requirements.

References: MCO 4140.5 USMC Shelf Life Program

Rank: Pvt through CWO

5700-EQP-1003 Identify NBC defense equipment record requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: Most Marine Corps units are authorized and possess some amount of NBC defense equipment. The types and amount of equipment held is dependant on the unit, their mission and their training requirements. Some of the equipment, such as

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decontamination apparatuses and RADIAC detectors, require record jackets be maintained. Additionally, records must be kept on other NBC defense equipment to indicate when PMCS and annual serviceability inspections are conducted.

Condition: Provided with a list of assigned NBC defense equipment, and the applicable reference.

Standard: With the aid of reference, identify NBC defense equipment record requirements.

References: MCO 3960.5 NBC Def Equip Test & Eval Prog

Rank: Pvt through CWO

5700-EQP-1004 Identify NBC defense equipment current automated systems requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: In order to properly conduct NBC defense operations, the Marine Corps has developed and fielded several automated systems to increase the efficiency and accuracy of NBC defense reporting, for both tactical and logistical information. These systems include automated NBC defense warning and reporting, command and control, and equipment inventory programs. NBC Defense Marines must be familiar with the systems available, when and where they are employed, and their limitations.

Condition: Provided with tactical and logistical reporting requirements, identify NBC defense equipment current automated systems requirements.

Standard: With the aid of references, identify NBC defense equipment current automated systems requirements.

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: Pvt through CWO

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5700-EQP-1005 Perform equipment maintenance

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. This NBC defense equipment requires preventive maintenance, checks and services (PMCS) be performed on them to ensure they are serviceable and maintained in operating order. This PMCS may be monthly, quarterly, base on usage or time (hours) based, depending on the equipment and its technical manual.

Condition: Provided with assigned NBC defense equipment, tools, materials and applicable technical manuals.

Standard: Perform equipment maintenance on NBC defense equipment in accordance with applicable technical manuals and orders.

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: Pvt through CWO

5700-EQP-1006 Identify requirements for maintaining NBC defense specific equipment containing radiological sources

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: The Marine Corps has fielded detection equipment that utilizes radiological sources for power. This equipment includes chemical agent monitors (CAM) and automatic chemical agent detection alarms (ACADA). This equipment requires preventive maintenance, checks and services (PMCS) be performed on them to ensure they are serviceable and maintained in

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operating order. Additionally, there are special maintenance requirements because of the radiological sources. Some of these requirements include leak wipe tests and additional reporting. Specific maintenance requirements are defined in the applicable technical manuals and publications.

Condition: Provided with a list of assigned NBC defense equipment containing radiological sources, and the applicable references.

Standard: With the aid of references, identify requirements for maintaining NBC defense specific equipment containing radiological sources.

References: MCO 5104.3 USMC Radiation Safety Program
MCO P4400.105C Radioactive Commodities DOD System
MCO P4450.12 Storage and Handling of Hazardous

Rank: Pvt through CWO

**5700-EQP-1007 Identify training requirements for maintaining
NBC defense specific hazardous materials**

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: In order to properly conduct NBC defense operations, many units will be authorized and possess NBC defense specific materials that are hazardous. These materials may include decontamination kits, decontaminates, detection kits and detectors containing radiological sources. To ensure this equipment is stored properly, has the required preventive maintenance, checks and services (PMCS) being performed on them to ensure they are serviceable and maintained in operating order, and are utilized in a safe matter, unit NBC defense personnel must be properly trained on the equipment maintenance requirements. This training may include hazardous material safety training, operator and maintainer training, and warehousing training. Specific training requirements for maintaining specific equipment and materials are defined in the applicable technical manuals, publications and the equipment's material safety data sheets (MSDS).

Condition: Provided with a list of assigned NBC defense specific hazardous equipment, and the applicable references.

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Standard: With the aid of references, identify training requirements for maintaining NBC defense specific hazardous materials.

References: MCO 5104.3 USMC Radiation Safety Program
MCO P4450.12 Storage and Handling of Hazardous

Rank: Pvt through CWO

5700-EQP-2001 Identify NBC defense budget requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: To properly maintain a NBC defense account, the unit must establish an operating budget. This budget will include funds for equipment replacement, repair parts, equipment repairs, calibrations, training equipment, embarkation supplies, batteries, fuel and office supplies. Because of the ongoing equipment consolidation efforts, the majority of the budget will likely be for batteries, mask repair parts, and office supplies. The amount for each category will depend on current account readiness and projected training and operations schedule.

Condition: Provided with assigned NBC defense equipment account, training and operations schedule and projected deployment schedule.

Standard: Identify NBC defense budget requirements which ensures the unit NBC defense account is able to be maintained at 100% and is capable of deploying.

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: Cpl through CWO

5700-EQP-2002 Identify transportation requirements for NBC defense specific equipment containing radiological sources

Evaluation Coded (E-Coded): No

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Sustainment Interval: 6

Description: The Marine Corps has fielded detection equipment that utilizes radiological sources for power. This equipment includes chemical agent monitors (CAM) and automatic chemical agent detection alarms (ACADA). Because of the radiological sources in this equipment, they require special handling procedures and considerations when transporting, especially off base and on state highways. Specific transportation requirements are defined in the applicable Nuclear Regulatory Commission (NRC) regulation, technical manuals and publications.

Condition: Provided with a list of assigned NBC defense equipment containing radiological sources, and the applicable references.

Standard: With the aid of references, identify transportation requirements for NBC defense specific equipment containing radiological sources.

References: MCO 5104.3 USMC Radiation Safety Program
SI-6665-15/1C Control Procedures for Radioactive
Material

Rank: Cpl through CWO

5700-EQP-2003 Identify embarkation requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: When a unit deploys, they are required to embark and transport their NBC defense equipment. Some of the equipment, such as one issue of suits, boots, gloves, individual decontamination kits, and mask may be issued to unit personnel prior to deployment. The remaining NBC defense equipment and assets must be packed into shipping containers/embark boxes, measured, weighed, marked and staged for pick up. It is the responsibility of unit NBC defense personnel to ensure they properly identify their embarkation requirements. These requirements include boxes, paint, package, waterproofing, transportation and space.

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Condition: Provided with assigned NBC defense equipment, mode of transportation (i.e. air, ship, etc.), and given the requirement to prepare your equipment for embarkation.

Standard: Identify embarkation requirements, which ensure the unit NBC defense equipment is able to be 100% embarked in accordance with applicable references and the guidance from unit embarkation officer and is capable of deploying when required.

References: MCO 4030.25B Responsibilities for Technical Escort of Dangerous Materials
MCO P4030.23F W/Erratum Guide for Basic Military Preservation and Packing
MCO 4030.40B Packaging of Hazardous Material
MCO 4600.30C W/CH 1 Use of Intermodal Containers, Containers, Special Purpose Vans, and Tactical Shelters
MCO 4680.5 Containerization Policy

Rank: Cpl through CWO

5700-EQP-2004 Perform the duties of the Responsible Officer (RO) for the NBC defense account

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. The unit NBC Defense Officer or SNCO must sign for the equipment account from the unit Supply Officer. He is then responsible for the security and accountability of the equipment as listed on the CMR, it's proper embarkation, and for ensuring the equipment is maintained in accordance with the applicable references. Additionally, the RO is responsible for ensuring all require equipment is available, and that the proper sizes and types are maintained, in accordance with the MAL, SL-3, and tariff.

Condition: Provided with the appropriate documents (CMR, MAL, SL-3, etc), applicable references, and assigned NBC defense equipment.

Standard: Perform the duties of the Responsible Officer for the NBC defense account in accordance with applicable references, ensuring the accountability, serviceability, and availability of required NBC defense equipment to meeting unit mission requirements.

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO 4140.5 USMC Shelf Life Program
MCO P4790.2C MIMMS Field Procedure Manual

Rank: SSgt through CWO

5700-EQP-2005 Identify equipment requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. It is the responsibility of the unit NBC Defense Officer or NCO to determine what equipment their unit must possess. Reviewing their unit's mission, T/O, T/Es, MAL, applicable equipment fielding documents, and OpPlans they may support, the unit NBC defense personnel will determine the type and amount of NBC defense equipment the unit must possess and maintain.

Condition: Provided with the appropriate documents (mission statement, T/O, T/Es, MAL, OpPlans, etc) and commander's intent.

Standard: Identify equipment requirements in accordance with applicable references, ensuring availability of required NBC defense equipment to meeting unit mission requirements.

Prerequisite Events: 5700-EQP-2001

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References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO 4140.5 USMC Shelf Life Program
MCO P4790.2C MIMMS Field Procedure Manual

Rank: Cpl through CWO

5700-EQP-2006 Maintain accountability of NBC defense equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. Unit NBC Defense personnel must sign for the equipment account from the unit Supply Officer. They are then responsible for the security and accountability of the equipment as listed on the CMR. They must ensure an accurate count of all equipment is maintained. They will use the current automated system for account management and to maintain and report accountability.

Condition: Provided with the appropriate documents (CMR, MAL) and the current automated equipment accountability system.

Standard: Maintain accountability of NBC defense equipment in accordance with applicable reference, ensuring accountability of required NBC defense equipment to meeting unit mission requirements.

Prerequisite Events: 5700-EQP-2004

References: User's manual for the NBC Defense Equipment
Management Program

Rank: Cpl through CWO

5700-EQP-2007 Identify requirements for distribution of NBC defense equipment

Evaluation Coded (E-Coded): No

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Sustainment Interval: 6

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. Unit NBC Defense personnel must determine when, where and how much, NBC defense equipment will be distributed, and to whom. Factors affecting these decisions include the threat, capability of warning and reporting system, initial equipment availability, re-supply capability, embarkation plan, and unit/subordinate units' mission(s).

Condition: Provided with the necessary information (threat, equipment availability, unit/subordinate units' mission, etc) and commander's intent.

Standard: Identify requirements for distribution of NBC defense equipment, in accordance with applicable reference, and ensuring units have the necessary NBC defense equipment required to successfully complete there assigned missions.

Chained Events: 5700-EQP-2005, 5700-EQP-2006

References: User's manual for the NBC Defense Equipment
Management Program

Rank: Cpl through CWO

5700-EQP-2008 Maintain NBC defense equipment

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 3

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. All this NBC defense equipment requires preventive maintenance, checks and services (PMCS) be performed on them to ensure they are serviceable and maintained in

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operating order. This PMCS may be monthly, quarterly, based on usage or time (hours), depending on the equipment and its technical manual. Unit NBC defense personnel are responsible for ensuring their equipment is maintained in accordance with all applicable references.

Condition: Provided with assigned NBC defense equipment, tools, materials and applicable technical manuals.

Standard: Maintain NBC defense equipment prior, during, and after use in accordance with applicable technical manuals and orders.

Prerequisite Events: 5700-EQP-2006

Chained Events: 5700-EQP-2005, 5700-EQP-2007, 5700-EQP-2009

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
User manual for the NBC Defense Equip Management Program
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: Pvt through CWO

5700-EQP-2009 Maintain NBC defense specific equipment containing radiological sources

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

Description: The Marine Corps has fielded detection equipment that utilizes radiological sources for power. This equipment includes chemical agent monitors (CAM) and automatic chemical agent detection alarms (ACADA). This equipment requires preventive maintenance, checks and services (PMCS) be performed on them to ensure they are serviceable and maintained in operating order. Additionally, there are special maintenance requirements because of the radiological sources. Some of these requirements include leak wipe tests and additional reporting. Specific maintenance requirements are defined in the applicable technical manuals and publications.

Condition: Provided with assigned NBC defense equipment containing radiological sources, and the applicable references.

Standard: In accordance with the references, maintain NBC defense specific equipment containing radiological sources.

Prerequisite Event: 5700-EQP-2002

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO 4140.5 USMC Shelf Life Program
MCO P4790.2C MIMMS Field Procedure Manual

Rank: Pvt through CWO

5700-EQP-3001 Maintain an NBC defense equipment account

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: Unit NBC defense personnel must identify NBC defense equipment requirements and maintain the accountability and serviceability of the equipment in accordance with applicable references. Additionally, they must ensure the proper storage, embarkation and distribution of assigned equipment. They must also ensure all required equipment is available, and that the proper sizes and types are maintained, in accordance with the MAL, SL-3, and tariff. Finally, they must ensure they utilize the current automated systems manage and report NBC defense equipment account status.

Condition: Provided with appropriate facilities, tools and embarkation assets, applicable references and documentation, and assigned NBC defense equipment.

Standard: Maintain an NBC defense equipment account, in accordance with the references, ensuring units have the necessary, serviceable NBC defense equipment required to successfully complete their assigned missions.

Prerequisite Events: 5700-EQP-2004, 5700-EQP-2006

Chained Events: 5700-EQP-1001
5700-EQP-1002
5700-EQP-1004
5700-EQP-1005
5700-EQP-1007
5700-EQP-2008

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References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO 4140.5 USMC Shelf Life Program
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: Cpl through CWO

5700-EQP-3002 Coordinate distribution of NBC defense equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: In order to perform NBC defense operations, units must utilize and maintain a wide variety of NBC defense equipment. This equipment includes decontamination apparatuses, RADAIC equipment, chemical and biological detection equipment, individual protective equipment (suits, boots, gloves, masks), NBC defense reconnaissance vehicles, decontamination kits and decontaminates. Unit NBC Defense personnel must determine when, where and how much, NBC defense equipment will be distributed, and to whom. Factors affecting these decisions include the threat, capability of warning and reporting system, initial equipment availability, re-supply capability, embarkation plan, and unit/subordinate units' mission(s). Additionally, NBC defense personnel at higher levels of command (Regt/MAG and above), may be required to direct redistribution of NBC defense equipment from one subordinate unit to another, to ensure adequate protection of the total force. This distribution is generally coordinate via the S-4/G-4 Supply Officer.

Condition: Provided with the necessary information (threat, equipment availability/inventories, unit/subordinate units' mission, etc).

Standard: Coordinate distribution of NBC defense equipment, in accordance with applicable references, and ensuring units have the necessary NBC defense equipment required to successfully complete their assigned missions.

Prerequisite Events: 5700-EQP-2002
5700-EQP-2005
5700-EQP-2006
5700-EQP-2007

References: MCO 3960.5 NBC Def Equip Test & Eval Prog
MCO 4140.5 USMC Shelf Life Program
MCO P4790.2C MIMMS Field Procedure Manual
MCO P5215.17C USMC Technical Pubs Sys

Rank: SSgt through CWO

5700-EQP-3003 Identify Time Phased Force Deployment Data
(TPFDD) requirements

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: During the planning phase for all deployments, the embarkation personnel must identify and plan for the movement of all personnel and equipment that are to deploy. Once the embarkation team has all the required data, they determine what equipment and personnel will be assigned to each shipment and the priority of movement for that shipment based on the requirements of the operations plan/order. This embarkation and movement plan is call the TPFDD. The NBC defense personnel must provide the required information (quantity of boxes and pallets, their weight and cube, their priority) to the embarkation team and validate that all the required NBC equipment and personnel are assigned a place on the TPFDD. They must also ensure that the proper priority is assigned to their NBC defense assets. For example, NBC reconnaissance vehicle should be placed as a high priority on the TPFDD, to ensure the best detector assets are available to the deployment force as soon as possible.

Condition: Provided with the applicable references and the requirement to deploy the unit, and given the inventory of required NBC defense assets and the guidance provided by the deployment order/OpPlan and embarkation personnel.

Standard: Identify Time Phased Force Deployment Data (TPFDD) requirements for NBC defense assets (personnel and equipment), in accordance with applicable references, guidance and deployment/OpOrder requirements.

References: CAEMS Users Manual and Data Dictionary
MAGTF II Users Manual and Data Dictionary
MDSS II Users Manual and Data Dictionary
TC AIMS Users Manual and Data Dictionary

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Rank: SSgt through CWO

5700-EQP-3004 Determine NBC defense equipment readiness

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

Description: NBC defense equipment must be maintain in a high state of readiness and be ready for deployment and use at all times. NBC defense personnel must evaluate the readiness of their NBC defense equipment continuously. To determine their equipment readiness, they will include an analysis of recent inspection results combined with the current equipment status. They will consider recent PMCS conducted, calibrations performed and other serviceability inspections conducted. Additionally, they will consider the current on hand quantities compared to the authorized T/Es.

Condition: Provided with recent inspection results and maintenance conducted, current inventory, and unit T/E's.

Standard: Determine NBC defense equipment readiness, in accordance with applicable reference, ensuring the equipment is ready for deployment and use.

References: MCO 3000.11C Marine Corps Ground Equipment
Resource Reporting (MCGERR)

Rank: Cpl through CWO

5700-EQP-4001 Identify NBC defense equipment usage rates and resupply requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: During any conflict where the threat of NBC warfare exist, NBC defense personnel must determine how much NBC defense equipment will be required to protect the force. This estimate must be made during the planning phase and revised throughout the execution of the operation. The NBC defense personnel must determine how fast current stockpiles of NBC defense equipment will be expended and how quickly they can be

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replaced. This would include not only IPE (suits, boots, gloves, individual decon kits), but also bulk decontaminates, decon apparatuses, and NBC medicaments. All available sources of supply should be considered (MPS, joint service, manufacture, etc).

Condition: Provided with the requirement to provide NBC defense assets to protect the unit, and given the inventory of current NBC defense assets and possible sources of supply, and the guidance provided by the Commander and deployment order/OpPlan.

Standard: Identify NBC defense equipment usage rates and re-supply requirements, in accordance with applicable reference, Commander's guidance and deployment/OpOrder requirements, in order to properly protect the force from NBC hazards.

References: MCO 4140.5 USMC Shelf Life Program

Rank: SSgt through CWO

5700-EVA-2001 Identify NBC defense readiness inspection requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 12

Description: The Marine Corps uses inspections as a means to evaluate readiness. Depending on the unit to which assigned, NBC defense personnel may be evaluated during a number of inspections. The most common inspections include, the Commanding General's Inspection Program (CGIP), an operational readiness evaluation and a logistical readiness evaluation. The NBC defense personnel are responsible for verifying which inspections they are required to stand, when those inspections will be conducted, and for getting a copy of the applicable inspection checklists, and references. They are also responsible for reviewing the inspection checklist and applicable references to determine exactly what will be inspected, how it will be evaluated, and that their unit is ready for the inspection.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to prepare for an inspection.

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Standard: Identify NBC defense readiness inspection requirements, in accordance with applicable reference.

References: MCO 3400.3F NBCD Training

Rank: Cpl through CWO

5700-EVA-2002 Identify NBC defense logistics inspection program requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 12

Description: The Marine Corps uses inspections as a means to evaluate readiness. Depending on the unit to which assigned, NBC defense personnel may be evaluated during a number of inspections. To evaluate the status and readiness of a unit's NBC defense equipment, a logistical readiness evaluation may be conducted. Logistical inspections should focus on equipment serviceability, maintenance, accountability, calibrations, storage, embarkation, reporting, hazardous materials, safety, and training (MMO, safety, etc). The NBC defense personnel are responsible for verifying which inspections they are required to stand, when those inspections will be conducted, and for getting a copy of the applicable inspection checklists, and references. They are also responsible for reviewing the inspection checklist and applicable references to determine exactly what will be inspected, how it will be evaluated, and that their NBC defense equipment is ready for the inspection.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to prepare for a logistical inspection.

Standard: Identify NBC defense logistic inspection program requirements, in accordance with applicable reference.

References: MCO P4400.160B Field Supply and Maintenance Analysis Office Program

Rank: Cpl through CWO

5700-EVA-2003 Identify NBC defense operational inspections requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 12

Description: The Marine Corps uses inspections as a means to evaluate readiness. Depending on the unit to which assigned, NBC defense personnel may be evaluated during a number of inspections. To evaluate the unit's ability to conduct their assigned mission while under the threat of an NBC environment, an operational readiness evaluation may be conducted. The operational inspection may be part of the MCCRES evaluation or a separate Operational Readiness Evaluation (ORE). Operational inspections should focus on unit personnel's individual survival measures, NBC defense team operations (monitor/survey, decon, warning and reporting) and the unit's ability to conduct their assigned mission while in an NBC environment. The NBC defense personnel are responsible for verifying which inspections they are required to stand, when those inspections will be conducted, and for getting a copy of the applicable inspection checklists, and references. They are also responsible for reviewing the inspection checklist and applicable references to determine exactly what will be inspected, how it will be evaluated, and that their unit is operationally ready for the inspection.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to prepare for an operational inspection.

Standard: Identify NBC defense operational inspection requirements, in accordance with applicable reference.

Chained Events: 5700-EVA-2001, 5700-EVA-2002

References: MCO 3400.3F NBCD Training

Rank: Cpl through CWO

5700-EVA-2004 Identify current SORTS Chem/Bio Defense (CBD) reporting requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

Description: All operational units within the Marine Corps are required to submit a Status Of Resources and Training System

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(SORTS) report at least monthly and whenever there are changes to their readiness level or unit location. A part of this report, which is classified at least confidential, is the Chemical/Biological Defense (CBD) readiness level. While the name of the report is Chem/Bio Defense, all NBC defense equipment and training is included. The CBD readiness level is based on two separate parts, the NBC defense training readiness and the NBC defense equipment readiness. Both are reported separately, and then combined for an overall CBD readiness level. Unit NBC defense personnel are responsible for providing the unit SORTS Officer with the necessary information and recommended CBD readiness levels. Additionally, the NBC defense personnel must be prepared to brief the Commander on how the CBD readiness level was determined.

Condition: Provided with the applicable references, and given the requirement to provide SORTS CBD readiness levels.

Standard: Identify current SORTS Chem/Bio Defense (CBD) reporting requirements, in accordance with the applicable references.

References: MCO 3000.11C Marine Corps Ground Equipment
Resource Reporting (MCGERR)
MCO P3000.13D Marine Corps SORTS SOP

Rank: Cpl through CWO

5700-EVA-2005 Conduct inspections

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: The Marine Corps uses inspections as a means to evaluate readiness. When assigned to a higher level command (Regt/MAG and above), NBC defense personnel may be tasked to conduct an evaluation of their subordinate units. Depending on the unit to which assigned they could be responsible for evaluating a number of inspections. The most common inspections include, the Commanding General's Inspection Program (CGIP), an operational readiness evaluation and a logistical readiness evaluation. The NBC defense personnel assigned the responsibility for conducting inspections are responsible for verifying which inspections they are to conduct, when those inspections will be conducted, and for developing or obtaining

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applicable inspection checklists and references. They are also responsible for reviewing the inspection checklist and applicable references to ensure they are completely familiar with the requirements of the inspection, how the unit will be evaluated, and that they know what is required for the unit to pass each element of the inspection.

Condition: Provided with the applicable references and inspection checklists, and assigned the responsibility to conduct an evaluation of a subordinate unit.

Standard: Conduct inspections, in accordance with applicable references, utilizing appropriate checklists.

Chained Events: 5700-EVA-2001
5700-EVA-2002
5700-EVA-2003

Rank: Cpl through CWO

5700-EVA-2006 Determine SORTS Chem/Bio Defense (CBD) rating

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: All operational units within the Marine Corps are required to submit a Status Of Resources and Training System (SORTS) report at least monthly and whenever there are changes to their readiness level or unit location. A part of this report, which is classified at least confidential, is the Chemical/Biological Defense (CBD) readiness level. While the name of the report is Chem/Bio Defense, all NBC defense equipment and training is included. The CBD readiness level is based on two separate parts, the NBC defense training readiness and the NBC defense equipment readiness. Both are reported separately, and then combined for an overall CBD readiness level. Unit NBC defense personnel are responsible for providing the unit SORTS Officer with the necessary information and recommended CBD readiness levels. Additionally, the NBC defense personnel must be prepared to brief the Commander on how the CBD readiness level was determined. SORTS CBD readiness reporting requirements can be found in the Marine Corps SORTS SOP (MCO).

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Condition: Provided with the applicable references, and given the requirement to provide SORTS CBD readiness levels and current unit NBC defense equipment and training readiness status.

Standard: Determine SORTS Chem/Bio Defense (CBD) rating, in accordance with the applicable references.

Chained Events: 5700-EQP-3004
5700-EVA-2004

References: MCO 3000.11C Marine Corps Ground Equipment Resource Reporting (MCGERR)
MCO P3000.13D Marine Corps SORTS SOP

Rank: Cpl through CWO

5700-PUB-1001 Identify requirements for maintaining a publications library

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: All NBC defense sections are required to maintain a publications library. The number of publications required depends on the unit's mission and NBC defense equipment authorized and maintained. Some publications that should be maintained are doctrinal/warfighting publications, such as the MCWPs and MCRPs. Additionally, there are technical publications required for each type of NBC defense equipment maintained, from the field protective mask to the decontamination apparatus. These publications provide the parts list and PCMS required for the equipment. The unit NBC defense personnel must determine the publications required, order them and maintain them, ensuring all changes are incorporated properly. The Marine Corps has an electronic program to assist in identifying and ordering required publications.

Condition: Provided with a list of all unit authorized NBC defense equipment, the unit's mission statement, applicable references, and the current electronic publications program.

Standard: Identify requirements for maintaining a publications library, in accordance with the references, and based on the unit's authorized NBC defense equipment and mission statement.

References: MCO P5215.17C USMC Technical Pubs Sys
UM-PLMS W CH 1-2 Marine Corps Publications Library
Management System (PLMS) Users Manual

Rank: Cpl through CWO

5700-PUB-2001 Identify unit NBC defense SOP requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Dependant on the unit's mission and guidance from the Commander, the unit may require a unit NBC defense SOP. The SOP, if required, could include unit NBC defense training requirements, NBC defense team requirements and assignment policy, equipment distribution, warning and reporting guidance, procedures and priorities for decontamination within the unit, and any other pertaining NBC defense related matter or issue the Commander wants published in a SOP or order. If directed, the NBC defense personnel must ensure the SOP meets the Commander's intent and guidance, and is formatted in accordance with applicable references.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to draft a NBC defense SOP.

Standard: Identify unit NBC defense SOP requirements, in accordance with unit SOPs and per the Commander's guidance.

Rank: Cpl through CWO

5700-PUB-2002 Maintain publications library

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: All NBC defense sections are required to maintain a publications library. The number of publications required depends on the unit's mission and NBC defense equipment authorized and maintained. Some publications that should be maintained are doctrinal/warfighting publications, such as the MCWPs and MCRPs. Additionally, there are technical publications required for each type of NBC defense equipment maintained, from

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the field protective mask to the decontamination apparatus. These publications provide the parts list and PCMS required for the equipment. The unit NBC defense personnel must determine the publications required, order them and maintain them, ensuring all changes are incorporated properly. The Marine Corps has an electronic program to assist in identifying and ordering required publications.

Condition: Provided with a list of all unit's authorized NBC defense equipment, the unit's mission statement, applicable references, and the current electronic publications program.

Standard: Maintain a publications library, in accordance with the references, and based on the unit's authorized NBC defense equipment and mission statement.

Prerequisite Events: 5700-PUB-2001

References: MCO P5215.17C USMC Technical Pubs Sys
UM-PLMS W CH 1-2 Marine Corps Publications Library
Management System (PLMS) Users Manual

Rank: Cpl through CWO

5700-PUB-2003 Produce a unit NBC defense SOP

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Dependant on the unit's mission and guidance from the Commander, the unit may require a unit NBC defense SOP. The SOP could include unit NBC defense training requirements, NBC defense team requirements and assignment policy, equipment distribution, warning and reporting guidance, procedures and priorities for decontamination within the unit, and any other pertaining NBC defense related matter or issue the Commander wants published in a SOP or order. If directed, the NBC defense personnel must ensure the SOP meets the Commander's intent and guidance, and is formatted in accordance with applicable references.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to produce a NBC defense SOP and the Commander's guidance.

Standard: Produce a unit NBC defense SOP, in accordance with higher headquarters' SOPs and per the Commander's guidance.

Prerequisite Events: 5700-PUB-2001

Rank: Cpl through CWO

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APPENDIX D

EVENT LIST

MET 3: ESTABLISH NBC PROTECTION

<u>Event Code:</u>	<u>"E" Coded Event:</u>	<u>Description:</u>
5700-SHD-1001		Identify pre-attack, during-attack, and post-attack protection actions
5700-SHD-1002		Identify the degradation to personnel during sustained operations in an NBC environment
5700-SHD-1003		Identify MOPP analysis considerations
5700-SHD-2001	X	Determine NBC defense protection actions
5700-SHD-2002	X	Conduct MOPP analysis
5700-SHP-1001		Identify the NBC elements of the IPB process
5700-SHP-1002		Identify the steps in conducting a vulnerability assessment
5700-SHP-2001		Identify the requirements for a NBC defense appendix to an Operations Order
5700-SHP-3001		Produce a NBC defense appendix to an Operations Order
5700-SHP-3002		Maintain required NBC defense SOP.
5700-SHP-3003		Assist in the intelligence preparation of the battlespace (IPB)
5700-SHP-3004	X	Conduct vulnerability assessment

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5700-SHP-3005

Coordinate NBC defense
requirements into the staff
planning process

5700-SHP-4001

Determine collective protection
requirements

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5700-SHD-1001 Identify pre-attack, during-attack, and post-attack protection actions**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Description: An NBC attack can have a large negative impact on a unit and their operations if proper procedures are not followed. These procedures include pre-attack, during-attack and post-attack protection actions. Pre-attack protection actions help to reduce the unit's vulnerability to an attack. Some actions include establishing a warning and reporting system, covering unused equipment and supplies, disbursing the units, medical pre-treatments, and employing sensors and detectors. During-attack protective actions are used to minimize the impact of an attack. Some actions could include upgrading MOPP, sounding the alarm, immediate decontamination of personnel and their equipment, completing a hazard predication, and moving out of the area of contamination. Post-attack protection actions are used to restore the unit's combat effectiveness and enable it to continue its mission. Such actions could include operational decon (MOPP gear exchange/vehicle wash down), verify extent of contamination, moving out of or around the contaminated area, and evacuation of contaminated casualties.

Condition: Given a simulated situation where unit personnel are operating in an area under the threat of NBC weapons employment.

Standard: Without the aid of reference, identify pre-attack, during-attack and post-attack protection actions, in accordance with the reference.

References: MCWP 3-37.2 (FMFM 11-9) NBC Protection

Rank: Pvt through CWO

5700-SHD-1002 Identify the degradation to personnel during sustained operations in an NBC environment**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

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Description: While operating in an NBC environment, or in an area under the threat of NBC weapons employment, unit personnel must maintain a higher state of readiness and level of protection. This could include the prolonged wearing of chemical protective equipment, ranging from MOPP Zero to MOPP 4. Additionally, just the added stress of a possible NBC attack can affect personnel. Prolonged wearing of chemical protective equipment and the added stress will add physiological and psychological factors that can negatively impact personnel and the unit's ability to perform its mission.

Condition: Given a simulated situation where unit personnel are conducting operations in a NBC environment.

Standard: Without the aid of reference, identify the degradation to personnel during sustained operations in an NBC environment, in accordance with the reference.

References: MCWP 3-37.2 NBC Protection

Rank: Pvt through CWO

5700-SHD-1003 Identify MOPP analysis considerations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Properly conducting MOPP analysis is vital for providing the necessary protection for personnel while helping to minimize the impact of MOPP, thereby sustaining the combat effectiveness to the greatest extent possible. There are several factors to consider during MOPP analysis, such as the threat, unit mission, and status/condition of personnel, among others. Once these factors are weighed, an appropriate MOPP level can be established.

Condition: Given a simulated situation where unit personnel are operating in area under the threat of NBC weapons employment.

Standard: Without the aid of reference, identify MOPP analysis considerations, in accordance with the references.

Chained Events: 5700-SHD-2002

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References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCWP 3-37.2 NBC Protection

Rank: Pvt through CWO

5700-SHD-2001 Determine NBC defense protection actions

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: A NBC attack can have a large negative impact on a unit and their operations if proper procedures and protection actions are not followed. These procedures include pre-attack, during-attack and post-attack protection actions. NBC defense personnel must weigh the impact of NBC protection actions against the unit's mission and recommend to the Commander what protection actions should be conducted. These could include conducting MOPP analysis, establishing a warning and reporting system, disbursing the units, medical pre-treatments, upgrading MOPP, completing a hazard predication, conducting operational decon, conducting monitor/survey missions to verify extent of contamination, and moving out of, or around, the contaminated area.

Condition: As a member of a combat operations center, and given a simulated situation where unit personnel are operating in an area under the threat of NBC weapons employment.

Standard: With out the aid of reference, determine NBC defense protection actions, in accordance with the references.

Chained Events: 5700-SHD-2000
5700-SHD-2001
5700-SHD-2002

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B Nuclear Contamination
MCWP 3-37 MAGTF NBC Def Ops
MCWP 3-37.2 NBC Protection

Rank: Cpl through CWO

5700-SHD-2002 Conduct MOPP analysis

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Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: Properly conducting MOPP analysis is vital for providing the necessary protection for personnel, while helping to minimize the impact of MOPP, thereby sustaining the combat effectiveness to the great extent possible. There are several factors to consider during MOPP analysis, such as the threat, unit mission, and status/condition of personnel, among others. Once these factors are weighted, an appropriate MOPP level can be established. Based on the operational situation conduct an analysis of the threat and make recommendations to the commander regarding MOPP requirements.

Condition: As a member of a combat operations center, and given a simulated situation where unit personnel are operating in area under the threat of NBC weapons employment.

Standard: With the aid of reference, conduct MOPP analysis, in accordance with the reference.

Chained Events: 5700-SHD-2000
5700-SHD-2004

References: MCWP 3-37.2 NBC Protection

Rank: Cpl through CWO

5700-SHP-1001 Identify the NBC elements of the IPB process

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. This evaluation is called the Intelligence Preparation of the Battle (IPB) process. While the S-2/G-3 Intelligence section is responsible for the overall IPB process, NBC defense is a valid portion of that evaluation. Some of the NBC defense elements include enemy NBC capabilities, delivery means, terrain analysis, enemy likely courses of action, friendly mission and capabilities, and weather. NBC defense personnel must be integrated into the IPB process.

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Condition: Given the requirement to conduct an IPB.

Standard: With the aid of reference, identify the NBC elements of the IPB process, in accordance with the reference.

References: FM 34-130 Intelligence Preparation of the
Battlefield
MCRP 3-37.1A NBC Vulnerability Analysis

Rank: Pvt through CWO

5700-SHP-1002 Identify the steps in conducting a vulnerability assessment

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. A vulnerability assessment evaluates the unit's capability, weaknesses, and equipment availability. These are compared to the enemy's capabilities, and then means to minimize the shortfalls are examined.

Condition: Given the requirement to conduct a vulnerability assessment.

Standard: With the aid of reference, identify the steps in conducting a vulnerability assessment, in accordance with the references.

References: FM 34-130 Intelligence Preparation of the
Battlefield
MCRP 3-37.1A NBC Vulnerability Analysis

Rank: Pvt through CWO

5700-SHP-2001 Identify the requirements for a NBC defense appendix to an Operations Order

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

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Description: For all Operations Plans (OpPlan) and Operations Order (OpOrder), there is a requirement for a NBC defense appendix. It is generally, Appendix 2 to Annex C (Operations). The NBC defense appendix should include NBC unit task organization, missions, threat conditions, minimum MOPP level for the force, warning and reporting system requirement with attack serial numbers, pre-planned decontamination sites, required reports and any other pertinent NBC defense information that is not contained with the unit's combat operations SOP.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to produce a NBC defense appendix to an Operations Order.

Standard: With the aid of reference, identify the requirements for a NBC defense appendix to an Operations Order, in accordance with the references.

References: MCRP 5-12A Operational Terms & Graphics
MCWP 3-37 MAGTF NBC Def Ops
MCWP 5-1 Marine Corps Planning Process

Rank: Cpl through CWO

5700-SHP-3001 Produce a NBC defense appendix to an Operations Order

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: For all Operations Plans (OpPlan) and Operations Order (OpOrder), there is a requirement for a NBC defense appendix. It is generally, Appendix 2 to Annex C (Operations). The NBC defense appendix should include NBC unit task organization, missions, threat conditions, minimum MOPP level for the force, warning and reporting system requirement with attack serial numbers, pre-planned decontamination sites, required reports and any other pertinent NBC defense information that is not contained with the unit's combat operations SOP.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to produce a NBC defense appendix to an Operations Order and a basic Operations Order.

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Standard: With the aid of reference, produce an NBC defense appendix to an Operations Order that supports the basic Operations Order and is in accordance with the references.

References: MCRP 5-12A Operational Terms & Graphics
MCWP 3-37 MAGTF NBC Def Ops
MCWP 5-1 Marine Corps Planning Process

Rank: Cpl through CWO

5700-SHP-3002 Maintain required NBC defense SOP

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Description: Dependent on the unit's mission and guidance from the Commander, the unit may require a unit NBC defense SOP. The SOP, if required, could include unit NBC defense training requirements, NBC defense team requirements and assignment policy, equipment distribution, warning and reporting guidance, procedures and priorities for decontamination within the unit, and any other pertaining NBC defense related matter or issue the Commander wants published in a SOP or order. If directed, the NBC defense personnel must ensure the SOP meets the Commander's intent and guidance, and is formatted in accordance with applicable references. Additionally, NBC defense personnel must ensure the SOP remains current, with updates incorporated as new equipment, procedures and/or guidance is received.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the current unit NBC defense SOP.

Standard: Maintain required NBC defense SOP, in accordance with applicable references and equipment, and per the Commander's guidance.

Rank: Cpl through CWO

5700-SHP-3003 Assist in the intelligence preparation of the battle space (IPB)

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

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Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. This evaluation is called the Intelligence Preparation of the Battlefield (IPB) process. While the S-2/G-3 Intelligence section is responsible for the overall IPB process, NBC defense is a valid portion of that evaluation. Some of the NBC defense elements include enemy NBC capabilities, delivery means, terrain analysis, enemy likely courses of action, friendly mission and capabilities, and weather. NBC defense personnel must be fully integrated into the IPB process and coordinate closely with the intelligence section to gather NBC related information.

Condition: Given the requirement to conduct an IPB and mission related information.

Standard: With the aid of reference, assist in the intelligence preparation of the battle space (IPB), in accordance with the references.

Chained Events: 5700-SHP-2001
5700-SHP-3003
5700-SHP-3004

References: FM 34-130 Intelligence Preparation of the
Battlefield
MCRP 3-37.1A NBC Vulnerability Analysis
MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B Nuclear Contamination
MCRP 5-12A Operational Terms & Graphics
MCWP 3-37.2 NBC Protection

Rank: Cpl through CWO

5700-SHP-3004 Conduct vulnerability assessment

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. A vulnerability assessment evaluates the unit's capability, weaknesses, and

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equipment availability. These are compared to the enemy's capabilities, then the means to minimize shortfalls are examined.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to conduct a vulnerability assessment, the basic Operations Order and assistance from the intelligence section.

Standard: With the aid of reference, conduct a vulnerability assessment that supports the basic Operations Order and is in accordance with the references.

Chained Events: 5700-SHP-2002

References: FM 34-130 Intelligence Preparation of the
Battlefield
MCRP 3-37.1A NBC Vulnerability Analysis
MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B Nuclear Contamination
MCRP 5-12A Operational Terms & Graphics
MCWP 3-37.2 NBC Protection

Rank: Cpl through CWO

5700-SHP-3005 Coordinate NBC defense requirements into the
staff planning process

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: NBC Defense has a vital role during the staff planning process. The NBC defense personnel must ensure NBC defense is incorporated and considered during all phase of training and operations. This includes scheduling and conducting training, which encompasses individual, team and unit MOT training. It also includes NBC defense being fully incorporated into the IPB process, logistical planning, and operations planning, both current and future operations. Without NBC defense fully incorporated into the staff planning process, the unit could be assuming unknown and unnecessary risk.

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Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to plan for the execution of a mission.

Standard: With the aid of reference, coordinate NBC defense requirements into the staff planning process that supports the mission and is in accordance with the references.

Chained Events: 5700-SHD-2003
5700-SHP-3001
5700-SHP-2003

References: MCWP 3-37 MAGTF NBC Defense Operations Series
MCWP 5-1 Marine Corps Planning Process

Rank: Cpl through CWO

5700-SHP-4001 Determine collective protection requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Description: Collective protection is a means to protect the force without individuals having to wear individual protective equipment for prolonged period of time. It enables personnel to operate in a clean environment and protects equipment from becoming contaminated. While current collective protection systems are not feasible for small unit infantry that are constantly on the move, they are ideal for higher-level commands. They would work well in rear areas, for units that are not required to move often or quickly. Examples would be at fixed sites, such as logistics nodes, airfields, theater level hospitals and command and control operations centers. While logistically intents, their benefits, if employed properly, make them a viable option to be considered.

Condition: Provided with an Operations Order or Operations Plan, and given the required to protect the force from NBC attack.

Standard: Determine collective protection requirements, which supports the Operations Order/Operations Plan.

Chained Events: 5700-SHD-2003
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References: MCWP 3-37.2 NBC Protection

Rank: SSgt through CWO

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APPENDIX E

EVENT LIST

MET 4: IMPLEMENT CONTAMINATION AVOIDANCE

<u>Event Code:</u>	<u>"E" Coded Event:</u>	<u>Description:</u>
5700-SHP-1003		Identify NBC defense contamination avoidance procedures
5700-SHP-1004		Conduct nuclear hazard prediction
5700-SHP-1005		Conduct chemical hazard prediction
5700-SHP-1006		Conduct biological hazard prediction
5700-SHP-2002		Plan NBC defense control center operations
5700-SHP-2003		Identify NBC defense requirements in the staff planning process
5700-SHP-2004		Conduct radiological hazard prediction
5700-SHP-3006	X	Conduct NBC defense warning and reporting using automated software
5700-SHP-3007		Implement NBC defense warning and reporting system
5700-SHP-4002		Conduct chemical control center operations
5700-SHP-4003		Conduct Biological control center operations
5700-SHP-4004		Conduct nuclear/radiological control center operation
5700-SHP-4005		Coordinate NBC defense requirement in support of MEU(SOC) operations

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5700-SHP-4006	X	Conduct NBC defense control center operations
5700-SHP-5001		Identify the requirements for supporting consequence management (CM) operations
5700-SHP-5002		Identify capabilities of coalition NBC defense assets
5700-SHP-5003		Identify joint service NBC defense capabilities

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5700-SHP-1003 Identify NBC defense contamination avoidance procedures**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Event Description: To properly protect the force, it is always better to avoid NBC contamination, rather than have to mitigate the effect once contaminated. Contamination avoidance is one of the pillars of NBC defense. Contamination avoidance means limiting the amount of contamination the unit may be exposed to. It does not necessarily mean avoiding all contamination. Mission requirements, protective equipment available and steps to reduce and limit exposure must all be considered. Additionally, in order to avoid contamination, you must be able to identify where the contamination is likely to be located.

Condition: Given the requirement to conduct contamination avoidance, identify NBC defense contamination avoidance procedures.

Standard: With the aid of reference, identify NBC defense contamination avoidance procedures, in accordance with the references.

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B Nuclear Contamination
MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management

Rank: Pvt through CWO

5700-SHP-1004 Conduct nuclear hazard prediction**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Event Description: In order to protect the force and avoid contamination to the greatest extent possible, NBC defense personnel must be able to predict where contamination from a nuclear attack is likely to be located. NBC defense personnel must be able to utilize attack information and current weather data to predict the location of the attack, the size of the attack area, the hazard area, the extent of contamination, when

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the contamination will arrive at a given location and the duration of the contamination. NBC defense personnel must be able to conduct nuclear hazard prediction utilizing both the manual and automated method.

Condition: Given attack information, weather data, applicable reference and automated prediction software, conduct nuclear hazard prediction in time to warn and protect the force.

Standard: With the aid of reference and automated prediction software, conduct nuclear hazard prediction, utilized both the manual and automated method.

References: MCRP 3-37.2B Nuclear Contamination

Rank: Pvt through CWO

5700-SHP-1005 Conduct chemical hazard prediction

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: In order to protect the force and avoid contamination to the greatest extent possible, NBC defense personnel must be able to predict where contamination from a chemical attack is likely to be located. NBC defense personnel must be able to utilize attack information and current weather data to predict the location of the attack, the size of the attack area, the hazard area, the extent of contamination, when the contamination will arrive at a given location and the duration of the contamination. NBC defense personnel must be able to conduct chemical hazard prediction utilizing both the manual and automated method.

Condition: Given attack information, weather data, applicable references and automated prediction software, conduct chemical hazard prediction in time to warn and protect the force.

Standard: With the aid of reference and automated prediction software, conduct chemical hazard prediction, utilized both the manual and automated method.

References: MCWP 3-37.1 Chem Ops

Rank: Pvt through CWO

5700-SHP-1006 Conduct biological hazard prediction**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Event Description: In order to protect the force and avoid contamination to the greatest extent possible, NBC defense personnel must be able to predict where contamination from a biological attack is likely to be located. NBC defense personnel must be able to utilize attack information and current weather data to predict the location of the attack, the size of the attack area, the hazard area, the extent of contamination, when the contamination will arrive at a given location and the duration of the contamination. NBC defense personnel must be able to conduct biological hazard prediction utilizing both the manual and automated method.

Condition: Given attack information, weather data, applicable references and automated prediction software, conduct biological hazard prediction in time to warn and protect the force.

Standard: With the aid of reference and automated prediction software, conduct biological hazard prediction, utilized both the manual and automated method.

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance

Rank: Pvt through CWO

5700-SHP-2002 Plan NBC defense control center operations**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 3

Event Description: The extent of NBC defense control center operations is dependant on the level of command. For Divisions, Wings, FSSGs and above, the control center is fully staffed with NBC defense personnel and they are responsible of all aspects of NBC defense control center operations. At lower levels of command (Regt/MAG and below), the tasks the NBC defense personnel in the operations center are required to perform are less. At a minimum, all NBC defense personnel must be able to

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monitor the battle, track the location of NBC attacks and their associated hazards, and execute the NBC defense warning and reporting system. NBC defense personnel must determine the extent of their responsibilities, based on their level of command, and identify the personnel, equipment and training required to meet those responsibilities.

Condition: Assigned as a NBC Officer or specialist to a unit, and provided with the requirement to support NBC defense operations within the unit, plan NBC defense control center operations.

Standard: Plan NBC defense control center operations, to support unit operations, in accordance with the references.

References: FM 3-100 Chemical Operations, Principles and
Fundamentals
Joint Warning and Reporting Network (JWARN)

Rank: Pvt through CWO

5700-SHP-2003 Identify NBC defense requirements in the staff planning process

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: NBC Defense has a vital role during the staff planning process. The NBC defense personnel must ensure NBC defense is incorporated and considered during all phase of training and operations. This includes scheduling and conducting training, which encompasses individual, team and unit MOT training. It also includes NBC defense being fully incorporated into the IPB process, logistical planning, and operations planning, both current and future operations. Without NBC defense fully incorporated into the staff planning process, the unit could be assuming unknown and unnecessary risk.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to plan for the execution of a mission, identify NBC defense requirements in the staff planning process.

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Standard: With the aid of reference, identify NBC defense requirements in the staff planning process that supports the mission and is in accordance with the references.

References: MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management
MCRP 5-12A Operational Terms & Graphics
MCWP 3-37 MAGTF NBC Def Ops
MCWP 3-37.1 Chem Ops
MCWP 3-37.3 NBC Decon
MCWP 5-1 Marine Corps Planning Process

Rank: Cpl through CWO

5700-SHP-2004 Conduct radiological hazard prediction

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: In order to protect the force and avoid contamination to the greatest extent possible, NBC defense personnel must be able to predict where contamination from a radiological attack or release is likely to be located. NBC defense personnel must be able to utilize attack/release information and current weather data to predict the location of the attack/release, the size of the attack area, the hazard area, the extent of contamination, when the contamination will arrive at a given location and the duration of the contamination. NBC defense personnel must be able to conduct radiological hazard prediction utilizing both the manual and automated method.

Condition: Given attack/release information, weather data, applicable references and automated prediction software, conduct radiological hazard prediction in time to warn and protect the force.

Standard: With the aid of reference and automated prediction software, conduct radiological hazard prediction, utilized both the manual and automated method.

References: MCRP 3-37.2B Nuclear Contamination

Rank: Cpl through CWO

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5700-SHP-3006 Conduct NBC defense warning and reporting using automated software

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 3

Event Description: The properly protect the force, NBC defense personnel assigned to units at the Division level and above, must know how to use the automated warning and reporting software. This system provides the NBC defense personnel the ability to plot attack locations, conduct hazard predication, track locations of contamination, and pass warnings and reports of NBC attacks to higher, adjacent, and lower units (provide they have the required connectivity).

Condition: Provided with the necessary hardware and software, and given the requirement to establish NBC warning and reporting, conduct NBC defense warning and reporting using automated software.

Standard: Conduct NBC defense warning and reporting using automated software, to support unit operations, in accordance with applicable reference.

References: Joint Warning and Reporting Network (JWARN)

Rank: SSgt through CWO

5700-SHP-3007 Implement NBC defense warning and reporting system

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: The properly protect the force, all NBC defense personnel must be able to establish a NBC defense warning and reporting system for their command. This system provides the NBC defense personnel the ability to plot attack locations, plot hazard predictions from received NBC reports, conduct hazard predication (MSC and above), track locations of contamination, and pass warnings and reports of NBC attacks to higher, adjacent, and lower units. This information is extremely vital for the Commander and his operations.

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Condition: Assigned as a unit NBC Defense Officer or Specialist, provided with applicable references, and given the requirement to conduct NBC warning and reporting, implement a NBC defense warning and reporting system.

Standard: Implement a NBC defense warning and reporting system, to support unit operations, in accordance with applicable references.

Chained Events: 5700-SHP-2005
5700-SHP-2006
5700-SHP-3005
5700-SHP-3011

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B Nuclear Contamination
Joint Warning and Reporting Network (JWARN)

Rank: Cpl through CWO

5700-SHP-4002 Conduct chemical control center operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Chemical control center operations are executed at the Division, Wings, FSSGs and above, level of command. These control centers are fully staffed with NBC defense personnel and they are responsible of all aspects of chemical control center operations. All chemical control centers must be able to monitor the battle, track the location of chemical attacks and their associated hazards, and execute the NBC defense warning and reporting system. Additionally, chemical control centers must be fully integrated in the battle staff, to ensure intelligence and logistical requirements are met. Chemical control centers must identify the personnel, equipment and training required to ensure they can execute their assigned mission.

Condition: Assigned as a member of a NBC control center, and provided with the requirement to support NBC defense operations within the unit, conduct chemical control center operation.

Standard: Conduct chemical control center operation, to support unit operations, in accordance with the reference.

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References: MCRP 3-37.2A Chem/Bio Contamination Avoidance

Rank: SSgt through CWO

5700-SHP-4003 Conduct biological control center operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Biological control center operations are executed at the Division, Wings, FSSGs and above, level of command. These control centers are fully staffed with NBC defense personnel and they are responsible of all aspects of biological control center operations. All biological control centers must be able to monitor the battle, track the location of biological attacks and their associated hazards, and execute the NBC defense warning and reporting system. Additionally, biological control centers must be fully integrated in the battle staff, to ensure intelligence and logistical requirements are met. Biological control centers must identify the personnel, equipment and training required to ensure they can execute their assigned mission.

Condition: Assigned as a member of a NBC control center, and provided with the requirement to support NBC defense operations within the unit, conduct biological control center operation.

Standard: Conduct biological control center operation, to support unit operations, in accordance with the reference.

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance

Rank: SSgt through CWO

5700-SHP-4004 Conduct nuclear/radiological control center operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Nuclear/Radiological control center operations are executed at the Division, Wings, FSSGs and above, level of command. These control centers are fully staffed with

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NBC defense personnel and they are responsible of all aspects of nuclear/radiological control center operations. All nuclear/radiological control centers must be able to monitor the battle, track the location of nuclear/radiological attacks and their associated hazards, and execute the NBC defense warning and reporting system. Additionally, nuclear/radiological control centers must be fully integrated in the battle staff, to ensure intelligence and logistical requirements are met. Biological control centers must identify the personnel, equipment and training required to ensure they can execute their assigned mission.

Condition: Assigned as a member of a NBC control center, and provided with the requirement to support NBC defense operations within the unit, conduct nuclear/radiological control center operation.

Standard: Conduct nuclear/radiological control center operation, to support unit operations, in accordance with the reference.

References: MCRP 3-37.2B Nuclear Contamination

Rank: SSgt through CWO

5700-SHP-4005 Coordinate NBC defense requirement in support of MEU(SOC) operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: When tasked to support NBC defense requirements while assigned to a MEU(SOC) unit, there are special considerations. In addition to the normal equipment, personnel and training requirements associated with NBC defense for a unit, the MEU(SOC) unit must be able to coordinate the NBC defense assets of the entire MEU. This includes ensuring each subordinate element of the MEU (BLT, ACE, MSSG) deploy with the proper equipment and that their personnel are trained. Additionally, the MEU NBC defense personnel must coordinate with the ships they will be embarked on, to ensure their NBC defense equipment is accessible when needed and that procedures for bring contaminated personnel and equipment back aboard the ship and conducting decontamination operations is coordinated. Finally, each MEU has additional capabilities that come along

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with the Enhanced NBC Force Protection Suite. This includes additional detection and protection capabilities. The MEU NBC defense personnel must ensure they have personnel trained to operate the equipment and that tactics, techniques and procedures are incorporated in their MEU(SOC) operations.

Condition: As a NBC defense Officer or Specialist assigned to a MEU(SOC) unit, and given the requirement to ensure the unit is prepared for deployment and operations, coordinate NBC defense requirements in support of MEU(SOC) operations.

Standard: Coordinate NBC defense requirements in support of MEU(SOC) operations, ensuring unit is prepared for deployment, in accordance with the references.

Chained Events: 5700-TRG-5001

References: MCWP 3-37 MAGTF NBC Def Ops
MCWP 5-1 Marine Corps Planning Process

Rank: SSgt through CWO

5700-SHP-4006 Conduct NBC defense control center operations

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 3

Event Description: NBC defense control center operations are executed at the Division, Wings, FSSGs and above, level of command. These control centers are fully staffed with NBC defense personnel and they are responsible of all aspects of NBC defense control center operations. All NBC defense control centers must be able to monitor the battle, track the location of NBC attacks and their associated hazards, and execute the NBC defense warning and reporting system. Additionally, NBC defense control centers must be fully integrated in the battle staff, to ensure intelligence and logistical requirements are met. NBC defense control centers must identify the personnel, equipment and training required to ensure they can execute their assigned mission.

Condition: Provided with the requirement to support NBC defense operations within the unit, conduct NBC defense control center operation.

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Standard: Conduct NBC defense control center operation, to support unit operations, in accordance with the references.

Chained Events: 5700-SHP-3006
5700-SHP-3007
5700-SHP-3008

References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCRP 3-37.2B (FMFM 11-8) Nuclear Contamination
MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management
MCRP 3-37B (FMFM 7-11H) Field Behavior of NBC Agents
MCRP 5-12A Operational Terms & Graphics
MCWP 3-37 MAGTF NBC Def Ops
MCWP 3-37.1 Chem Ops
MCWP 3-37.3 NBC Decon
MCWP 5-1 Marine Corps Planning Process

Rank: SSgt through CWO

5700-SHP-5001 Identify the requirements for supporting consequence management (CM) operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: Major disasters, whether caused by nature or man, can trigger a massive release of chemical or biological agents or nuclear radiation. When this happens, U.S. forces may be requested to assist in predicting the extent of the hazard, the containment and the clean up of the hazard. NBC defense personnel must be familiar with the procedures associated with consequence management, the assets which may be available, and the impact of the release.

Condition: Provided with a consequence management situation, identify the requirements for supporting consequence management (CM) operations.

Standard: Identify the requirements for supporting consequence management (CM) operations, in accordance with the applicable directives and national policy.

Chained Events: 5700-SHP-4004

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References: MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management

Rank: SSgt through CWO

5700-SHP-5002 Identify capabilities of coalition NBC defense assets

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: Future military operations may involve working with coalition forces, as a mean to increase the number of forces and capabilities available for an operation. Because of this, it is likely that coalition NBC defense assets may be available and assigned under U.S. forces control. To properly employ these assets, NBC defense personnel must be familiar with their detection, protection and decontamination capabilities.

Condition: Given the requirement to integrate coalition forces' NBC defense assets into the operations plan, identify capabilities of coalition NBC defense assets.

Standard: Identify capabilities of coalition NBC defense assets, in order to fully utilize their capabilities to support operations plans and better protect the force.

Chained Events: 5700-SHP-4004

References: MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management

Rank: SSgt through CWO

5700-SHP-5003 Identify joint service NBC defense capabilities

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: Future military operations may involve working with joint service forces, as a mean to increase the number of forces and capabilities available for an operation. Because of this, it is likely that joint service NBC defense

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assets may be available and assigned under Marine Corps forces control. To properly employ these assets, NBC defense personnel must be familiar with their detection, protection and decontamination capabilities.

Condition: Given the requirement to integrate joint service forces' NBC defense assets into the operations plan, identify capabilities of joint service NBC defense assets.

Standard: Identify capabilities of joint service NBC defense assets, in order to fully utilize their capabilities to support operations plans and better protect the force.

References: AFMAN 10-2602 Nuclear, Biological, Chemical and
Conventional (NBCC) Defense
Operations and Standards Joint Warning and
Reporting Network (JWARN)
MCRP 3-37.2C MTTP's for NBC Aspects of Consequence
Management
MCRP 5-12A Operational Terms & Graphics
MCWP 3-37 MAGTF NBC Def Ops
MCWP 3-37.1 Chem Ops
MCWP 3-37.5 NBC Defense/Theater Sites, Ports
NDP 6 Naval Command and Control

Rank: SSgt through CWO

NBCD T&R MANUAL

APPENDIX F

MET 5: IDENTIFY NBC HAZARDS

<u>Event Code:</u>	"E" Coded <u>Event:</u>	<u>Description:</u>
5700-SHD-4001		Identify homeland defense support requirements
5700-SHP-1007		Identify NBC defense monitor, survey and reconnaissance TTP's
5700-SHP-2005		Identify the NBC defense elements of the IPB process
5700-SHP-2006		Conduct NBC threat analysis
5700-SHP-3008		Assess NBC defense reconnaissance organizations, capabilities and equipment
5700-SHP-3009	X	Plan NBC defense operations
5700-SHP-3010		Implement NBC defense reconnaissance capabilities into the staff planning process
5700-SHP-3011	X	Conduct NBC defense reconnaissance operations
5700-SNS-1001		Conduct operations with radiological detection equipment
5700-SNS-1002		Conduct operations with biological detection equipment
5700-SNS-1003		Conduct operations with chemical detection equipment
5700-SNS-2001		Conduct NBC defense survey procedures
5700-SNS-2002		Conduct NBC defense monitoring operations

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5700-SNS-4001

Identify requirements for
sensitive site exploitation

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5700-SHD-4001 Identify homeland defense support requirements**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Event Description: With the threat of global terrorism today, all Marine Corps Bases and Stations must be prepared to defend against attacks. Homeland defense support requirements include the placement of nuclear, chemical, biological and radiological monitors and sensors on the perimeter and within the area of the installation. It also includes ensuring the installation personnel, especially first responders, have the necessary protection, detection, medical, and decontamination equipment. Additionally, it includes training first responders and other installation personnel to respond to, identify, and contain any contamination that may occur as a result.

Condition: Assigned as a NBC Defense Officer or Specialist to a base or station staff, and tasked with the responsibility to ensure the installation is prepared to defend against terrorist attack, identify homeland defense support requirements.

Standard: Identify homeland defense support requirements, in accordance with base security directives and other applicable reference.

References: MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management

Rank: SSgt through CWO

5700-SHP-1007 Identify NBC defense monitor, survey and reconnaissance TTP's.**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 6

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination hazard. To accurately determine this information, the unit NBC defense personnel must direct and/or

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conduct monitoring, surveys and reconnaissance operations for nuclear, biological, chemical and radiological contamination. To ensure an accurate assessment, without exposing personnel to unnecessary risk, personnel must follow specific tactics, techniques and procedures (TTP's). The TTP's are designed to ensure wide area coverage in the shortest amount of time possible.

Condition: Provided with a simulated scenario where possible or suspected contamination exists as a result of NBC weapon or agent use, and given the requirement to advise the commander of the extent of contamination in his AOR, identify the NBC defense monitor, survey, and reconnaissance TTP's.

Standard: Without the aid of reference, identify NBC defense monitor, survey and reconnaissance TTP's, in accordance with applicable reference.

Chained Events: 5700-SHP-3004

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SHP-2005 Identify the NBC defense elements of the IPB process

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. This evaluation is called the Intelligence Preparation of the Battle space (IPB) process. While the S-2/G-2 Intelligence section is responsible for the overall IPB process, NBC defense is a valid portion of that evaluation. Some of the NBC defense elements include enemy NBC capabilities, delivery means, terrain analysis, enemy likely courses of action, friendly mission and capabilities, and weather. NBC defense personnel must be fully integrated into the IPB process.

Condition: Given the requirement to conduct an IPB during mission analysis, identify the NBC defense elements of the IPB process.

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Standard: Identify the NBC defense elements of the IPB process, which supports mission analysis, in accordance with the reference.

Chained Events: 5700-SHP-3003

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SHP-2006 Conduct NBC threat analysis

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: In order to properly organize and train for an assigned mission, an evaluation of the enemy, his capabilities and the area of operations must be conducted. This evaluation is called the Intelligence Preparation of the Battle space (IPB) process. While the S-2/G-3 Intelligence section is responsible for the overall IPB process, NBC defense is a valid portion of that evaluation. A step within the IPB process is conducting a NBC threat analysis. A NBC threat analysis evaluates the enemy's NBC capability, weaknesses, and equipment availability. Additionally, the enemy's most likely courses of action and willingness to employ NBC weapons are examined. These are compared to the friendly forces' mission and their capabilities to defend against the enemy's capabilities.

Condition: During mission planning, as a NBC defense Officer or Specialist assigned to the battle staff, and provided with a scenario and task to conduct a mission analysis, conduct a NBC threat analysis.

Standard: Conduct a NBC threat analysis, in support of mission analysis and the battle staff, in accordance with the reference and commander's guidance.

Chained Events: 5700-SHP-3003

References: MCRP 3-37.1A NBC Vulnerability Analysis

Rank: Pvt through CWO

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5700-SHP-3008 Assess NBC defense reconnaissance organizations, capabilities, and equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination. To accurately determine this information, the unit NBC defense personnel must direct and/or conduct monitoring, surveys and reconnaissance operations for nuclear, biological, chemical, and radiological contamination. To most efficiently execute these operations, the NBC defense personnel must know what reconnaissance assets are available for use. They must know the specific reconnaissance organizations that are available, their capabilities and limitations, the equipment they employ, and the logistics required to employ and support their operations. Additionally, the NBC defense personnel should be familiar with the specific TTP's of the available reconnaissance assets, in order to most effective employment them.

Condition: Given an operations order (with Annex A), and the requirement to ensure efficient assignment of NBC reconnaissance assets and capability for the force is outlined in the NBC Appendix, assess NBC defense reconnaissance organizations, capabilities, and equipment.

Standard: Access NBC defense reconnaissance organizations, capabilities, and equipment, to meet mission requirements, in accordance the operations order and applicable reference.

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Cpl through CWO

5700-SHP-3009 Plan NBC defense operations

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

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Event Description: The NBC defense personnel assigned to a unit are responsible for all aspects of NBC defense for that unit. To properly plan for NBC defense operations, the NBC defense personnel must include in their plan the unit's mission, MOPP analysis, threat assessment, vulnerability assessment, NBC defense assets available (monitor/survey, reconnaissance and decontamination), NBC defense missions (specific and implied), warning and reporting capabilities of the unit, weather, logistics, sustainment training and Commander's intent. NBC defense planning is conducted before, during and after the operation, with some of the most important planning being conducted early on in the planning process.

Condition: Assigned as a NBC defense Officer or Specialist for a battle staff, and given the requirement to plan and conduct NBC defense operations, plan NBC defense operations in support of the operations order and in accordance with the commander's guidance.

Standard: Plan NBC defense operations, to support the unit's mission, in accordance with the operations order and the commander's guidance.

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Cpl through CWO

5700-SHP-3010 Implement NBC defense reconnaissance capabilities into the staff planning process

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination. To accurately determine this information, the unit NBC defense personnel must direct and/or conduct monitoring, surveys and reconnaissance operations for nuclear, biological, chemical and radiological contamination. To most efficiently execute these operations, the NBC defense personnel must know what NBC reconnaissance assets are available for use. Additionally, the NBC defense personnel must ensure

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that the reconnaissance assets available and their capabilities are considered during mission planning and that their use is incorporated into the scheme of maneuver as required. Finally, as operations are conducted and the situation changes, the NBC defense personnel must monitor the battle and advise the commander and his staff of recommended employment of reconnaissance assets.

Condition: Assigned as a NBC defense Officer or Specialist for a battle staff, and given the requirement to plan and conduct NBC defense reconnaissance operations, implement NBC defense reconnaissance capabilities into the staff planning process, in order to support the operations order and in accordance with the commander's guidance.

Standard: Implement NBC defense reconnaissance capabilities into the staff planning process, to support the unit's mission, in accordance with the operations order and the commander's guidance.

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Cpl through CWO

5700-SHP-3011 Conduct NBC defense reconnaissance operations

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 6

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination. To accurately determine this information, the unit NBC defense personnel must direct and/or conduct monitoring, surveys and reconnaissance operations for nuclear, biological, chemical, and radiological contamination. To most efficiently execute these operations, the NBC defense personnel must know what reconnaissance assets are available for use. They must know the specific reconnaissance organizations that are available, their capabilities and limitations, the equipment they employ, and the logistics required to employ and support their operations. Additionally, the NBC defense personnel should be familiar with the specific TTP's of the

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available reconnaissance assets, in order to most effective employment them. NBC defense personnel must also be able to monitor the progress of directed reconnaissance operations and direct modifications to assigned missions as required.

Condition: Assigned as a NBC Defense Officer or Specialist in a combat operations center, and given assigned NBC defense reconnaissance assets and the requirement to determine the location and extent of contamination within the unit's area of responsibility, conduct NBC defense reconnaissance operations, in support of the unit's mission.

Standard: Conduct NBC defense reconnaissance operations, to meet mission requirements, in accordance with the operations order and the reference.

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Cpl through CWO

5700-SNS-1001 Conduct operations with radiological detection equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Enemy attacks utilizing nuclear weapons or radiological dispersal devices will cause residual radiological contamination. In order to properly protect the unit from the resulting radiation, NBC defense personnel must be able to conduct operations utilizing radiological detection equipment. These operations include directing and/or conducting monitoring, surveys and reconnaissance operations with the units authorized radiological detection equipment. Additionally, NBC defense personnel must know the capabilities and limitations of the unit's radiological detection equipment. It also includes inspecting the equipment for serviceability, conducting required PMCS, and ensuring the equipment's calibration (if required) is up-to-date. Additionally, NBC defense personnel must be familiar with the TTP required to conduct efficient monitoring, surveys and reconnaissance missions.

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Condition: Provided with the appropriate radiological detection equipment, and given the requirement to assess the radiological hazard in a simulated scenario, conduct operations with radiological detection equipment.

Standard: Conduct operations with radiological detection equipment, in support of the simulated scenario and in accordance with applicable reference.

Chained Events: 5700-SNS-2004
5700-SNS-2005
5700-SNS-2006

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SNS-1002 Conduct operations with biological detection equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Enemy attacks utilizing biological weapons or agents will likely cause a residual biological contamination hazard. In order to properly protect the unit from the biological hazard, NBC defense personnel must be able to conduct operations utilizing biological detection and/or collection equipment. These operations include directing and/or conducting biological sample collection surveys and reconnaissance operations, and biological monitoring utilizing the unit's authorized or available biological detection devices. Additionally, NBC defense personnel must be familiar with the procedures for sending collected samples to a certified laboratory facility for analysis. Finally, NBC defense personnel must be familiar with the TTP required to conduct efficient monitoring, surveys and reconnaissance missions utilizing biological detection equipment.

Condition: Provided with the appropriate biological collection and/or detection equipment, and given the requirement to assess the biological hazard in a simulated scenario, conduct operations with biological detection equipment.

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Standard: Conduct operations with biological detection equipment, in support of the simulated scenario and in accordance with the reference.

Chained Events: 5700-SNS-2004
5700-SNS-2005
5700-SNS-2006

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SNS-1003 Conduct operations with chemical detection equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Enemy attacks utilizing chemical weapons or agents may cause residual chemical contamination. In order to properly protect the unit from the resulting chemical contamination hazard, NBC defense personnel must be able to conduct operations utilizing chemical detection equipment. These operations include directing and/or conducting monitoring, surveys and reconnaissance operations with the units authorized chemical detection equipment. Additionally, NBC defense personnel must know the capabilities and limitations of the unit's chemical detection equipment. It also includes inspecting the equipment for serviceability, conducting required PMCS, and ensuring the equipment's calibration (if required) is up-to-date. Additionally, NBC defense personnel must be familiar with the TTPs required to conduct efficient monitoring, surveys and reconnaissance missions utilizing the unit's chemical detection equipment.

Condition: Provided with the appropriate chemical detection equipment, and given the requirement to assess the chemical hazard in a simulated scenario, conduct operations with chemical detection equipment.

Standard: Conduct operations with chemical detection equipment, in support of the simulated scenario and in accordance with applicable reference.

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Chained Events: 5700-SNS-2004
5700-SNS-2005
5700-SNS-2006

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SNS-2001 Conduct NBC defense survey procedures

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination. To accurately determine this information, the unit NBC defense personnel must direct and/or conduct surveys operations for nuclear, biological, chemical, and radiological contamination. Survey operations involve sending monitor/survey teams to designated locations to check for contamination. To most efficiently execute these operations, the NBC defense personnel must know the various types of survey missions, such as point, route and area. Additionally, they must know the personnel, equipment, logistics, and reporting procedures required to execute the directed survey mission. The NBC defense personnel must also know the capabilities and limitations of available detection equipment and the specific TTP's for conducting the survey mission. NBC defense personnel must also be able to monitor the progress of directed survey missions and direct modifications to assigned missions as required.

Condition: Provided with the appropriate radiological, biological or chemical detection equipment, and given the requirement to assess the contamination hazard in a simulated scenario, conduct NBC defense survey procedures, in support of the unit's mission.

Standard: Conduct NBC defense survey procedures, to meet mission requirements, in accordance with the operations order and applicable reference.

References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SNS-2002 Conduct NBC defense monitoring operations

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Enemy attacks utilizing NBC weapons and agents generally cause some amount of residual and persistent contamination. In order to properly protect the force and make sound tactical decisions, the commander must know where contamination is located, its concentration and the estimated duration of contamination. To accurately determine this information, the unit NBC defense personnel must direct and/or conduct monitoring operations for nuclear, biological, chemical, and radiological contamination. Monitoring operations involves monitor/survey teams utilizing assigned detection equipment to determine whether NBC contamination is present at their location. Monitoring operations are different from survey operations, as the teams do not displace to other locations, but merely check their local area for contamination. To most efficiently execute these operations, the NBC defense personnel must know the various types of monitoring operations, such as periodic, continuous, peak, and directed. Additionally, they must know the personnel, equipment, and reporting procedures required to execute the directed monitoring operations. The NBC defense personnel must also know the capabilities and limitations of available detection equipment and the specific TTP's for conducting monitoring operations. NBC defense personnel must also be able to monitor the progress of monitoring operations and direct modifications to the directed tasks as required.

Condition: Provided with the appropriate radiological, biological or chemical detection equipment, and given the requirement to assess the contamination hazard in a simulated scenario, conduct NBC defense monitoring operations, in support of the unit's mission.

Standard: Conduct NBC defense monitoring operations, to meet mission requirements, in accordance with the operations order and applicable reference.

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References: MCWP 3-37.4 NBC Reconnaissance

Rank: Pvt through CWO

5700-SNS-4001 Identify requirements for sensitive site exploitation

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: During combat operations where the enemy threat includes the possible possession and use of NBC weapons and agents, it is imperative that any possible WMD storage, employment and manufacturing site be investigated properly to ensure any possible evidence is preserved and that personnel are not subjected to unnecessary risk. The investigation of a possible WMD site will require support from a specialized team, trained in WMD site exploitation. This specialized team is generally assigned to the major combatant commander and must be requested. This team will determine whether WMD weapons or agents are, or have been, present at the location, collect samples, maintain chain of custody, and ensure any evidence collected can be used in the world court. The NBC defense personnel must be familiar with the location of the specialized team, the procedures for requesting the team's support, their capabilities and limitations, and the logistical requirements to support them. Additionally, the NBC defense personnel must be familiar with the procedures required to secure a suspected sensitive site to ensure evidence is not accidentally destroyed and ensure their subordinate units understand these requirements.

Condition: Given an operational scenario or operations order in which the enemy threat includes the possible possession of NBC weapons or agents, identify requirements for sensitive site exploitation in order to protect the force and preserve available evidence.

Standard: Identify requirements for sensitive site exploitation, to meet mission requirements, protect the force and preserve available evidence, in accordance with the operations order and applicable reference.

References: MCWP 3-37.4 NBC Reconnaissance

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Rank: SSgt through CWO

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NBCD T&R MANUAL

APPENDIX G

EVENT LIST

MET 6: CONDUCT TRAINING

<u>Event Code:</u>	<u>"E" Coded Event:</u>	<u>Description:</u>
5700-TRG-1001		Conduct ORM for planned NBC defense training
5700-TRG-1002		Identify nuclear, biological, chemical, and radiological weapons effects
5700-TRG-1003		Identify biological agents
5700-TRG-1004		Identify chemical agents
5700-TRG-1005		Identify toxic industrial materials
5700-TRG-1006		Instruct NBC defense training
5700-TRG-1007		Complete Chemical Defense Training Facility (CDTF) training
5700-TRG-1008		Properly don individual protective equipment
5700-TRG-1009		Identify procedures for conducting individual protective equipment confidence exercise
5700-TRG-2001		Identify unit NBC defense training requirements
5700-TRG-2002		Identify NBC defense MOS sustainment training requirements
5700-TRG-2003		Instruct NBC defense team training

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5700-TRG-2004		Instruct the proper method of donning individual protective equipment
5700-TRG-2005	X	Conduct individual protective equipment confidence exercise
5700-TRG-2006		Conduct NBC defense individual survival measures training
5700-TRG-2007		Conduct unit training/mission orientated tasks (MOT) training
5700-TRG-2008		Conduct mission oriented protective posture (MOPP) familiarization training
5700-TRG-2009		Conduct NBC defense MOS sustainment training
5700-TRG-2010		Conduct integrated training exercise
5700-TRG-3001		Develop command NBC defense training program
5700-TRG-3002	X	Implement command NBC defense training plan
5700-TRG-5001		Integrate the ENBC into MEU(SOC) staff planning
5700-TRG-5002		Conduct consequence management (CM) assessment

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5700-TRG-1001 Conduct ORM for planned NBC defense training**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 1

Event Description: In order to ensure NBC defense training is conducted safely and that no unnecessary risk is accepted, NBC defense personnel must conduct a thorough Operational Risk Management (ORM) assessment for all planned NBC defense training. Realistic and challenging NBC defense training can be dangerous if not properly planned. The wearing of chemical protective over-garments and equipment can increase the body temperature of the wearer, causing heat casualties. Additionally, there are hazards associated with operating decontamination equipment and utilizing decontaminates, whether actual or simulated. Finally, the improper use of riot control agents, such as CS, can not only cause injuries if not employed safely, but can also present a fire hazard (CS grenades).

Condition: Given the requirement to plan and safely conduct NBC defense training, conduct ORM for planned NBC defense training.

Standard: Conduct ORM for planned NBC defense training, in accordance with the references, ensuring no unnecessary risk is accepted.

References: MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1002 Identify nuclear, biological, chemical, and radiological weapons effects**Evaluation Coded (E-Coded):** No**Sustainment Interval:** 3

Event Description: In order to properly protect the force, the commander must know when and where NBC attacks have occurred. These attacks may not have been observed. However, it is still possible to estimate the time and location of an attack if individuals can identify the weapons effects from these attacks. Weapons effects vary depending upon the weapons or agent used. Nuclear weapons effects can include a blast, fireball, thermal

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radiation and possibly fallout. Biological weapons effects are more difficult to identify, but can include the presence of a large number of dead animals and vegetation, and unexplained illnesses. Chemical weapons effects can include a large number of dead animals, liquid on the ground or on vegetation, a mist or fog moving across an area, and personnel displaying symptoms of chemical agent poisoning. Radiological weapons effects may include a small blast site, high levels of radioactivity, and a number of personnel suffering from radiation exposure.

Condition: Provided with a simulated scenario where an attack utilizing NBC weapons or agents may have occurred, and given indicators relating to the attack, identify nuclear, biological, chemical and radiological weapons effects.

Standard: Identify nuclear, biological, chemical and radiological weapons effects, in accordance with the references.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1003 Identify biological agents

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: In order to properly protect the force, the commander must know what the biological agent threat his forces face, and when or if an attack has occurred. All NBC defense personnel must be able to provide the commander with the required information concerning biological agents. This required information may include the biological agents believed to be possessed by the enemy, agent characteristic such as the agents physiological effect on personnel, symptoms, immunization and treatment, means of delivery, persistency, methods of detection, and means of decontamination. It should also include protective actions to be taken before, during and after a suspected attack.

Condition: As a NBC Defense Officer or Specialist, given the requirement to advise the commander on the threat, identify biological agents.

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Standard: With the aid of reference, identify biological agents, in accordance with the references.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1004 Identify chemical agents

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: In order to properly protect the force, the commander must know what the chemical agent threat his forces face, and when or if an attack has occurred. All NBC defense personnel must be able to provide the commander with the required information concerning chemical agents. This required information may include the chemical agents believed to be possessed by the enemy, agent characteristic such as the agents physiological effect on personnel, symptoms, pre-treatments and treatment, means of delivery, persistency, methods of detection, and means of decontamination. It should also include protective actions to be taken before, during and after a suspected attack.

Condition: As a NBC Defense Officer or Specialist, given the requirement to advise the commander on the threat, identify chemical agents.

Standard: With the aid of references, identify chemical agents.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1005 Identify toxic industrial materials

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: In order to properly protect the force, the commander must know what the toxic industrial material threat his forces face, and when or if an attack has occurred which could include these materials. All NBC defense personnel must be able to provide the commander with the required information concerning toxic industrial materials. This required information may include the toxic industrial materials believed to be either possessed by the enemy or within the area of operations, material characteristic such as their physiological effect on personnel, symptoms of exposure and treatment, means of delivery or dispersal, persistency, methods of detection, and means of decontamination. It should also include protective actions to be taken before, during and after a suspected attack and steps required to minimize the enemy's ability to utilize the sources of toxic industrial material within the area of operations.

Condition: As a NBC Defense Officer or Specialist, given the requirement to advise the commander on the threat, identify toxic industrial materials.

Standard: Identify toxic industrial materials, in accordance with the references.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1006 Instruct NBC defense training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: One of the primary responsibilities of NBC defense personnel is to ensure that unit personnel are properly trained to survive and conduct operations in a NBC environment. To accomplish this, NBC defense personnel must be able to instruct NBC defense training for all personnel of their unit. This training may include Individual Survival Measures (ISM), Individual Protective Equipment (IPE) wear and use, NBC warning

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and reporting, NBC detection equipment and procedures, and decontamination operations. Additionally, the NBC defense personnel must be able to conduct training for the unit's NBC defense Monitor/Survey and Decontamination teams. Training must be interesting, informative, well rehearsed and presented in a professional manner.

Condition: As a NBC Defense Officer or Specialist assigned to a unit, and given the requirement to ensure they are properly trained to survive and conduct operations in a NBC environment, instruct NBC defense training.

Standard: With the aid of reference, instruct NBC defense training.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

**5700-TRG-1007 Complete Chemical Defense Training Facility
(CDTF) training**

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: The U.S. Army Chemical Defense Training Facility (CDTF) at Fort Leonard Wood, MO provides NBC defense personnel a unique opportunity to train inside a controlled environment with actual chemical warfare agents. This training allows personnel to use standard issue individual chemical protective equipment (suits, boots, gloves, mask) in a toxic environment, instilling confidence that their equipment functions and protects as designed. Students also utilize issued detection equipment on actual chemical agents to see how instruments work. Additionally, personnel have the opportunity to use decontamination assets and verify their effectiveness. This training gives NBC defense personnel confidence in their equipment and the ability to stand in front of other Marines and state the efficacy of equipment based on experience in operating in an actual chemical environment.

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Condition: As a student attending the NBC Defense Officer Basic or NBC Defense Specialist Basic course; complete Chemical Defense Training Facility (CDTF) training.

Standard: Complete Chemical Defense Training Facility (CDTF) training, in accordance with the references.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-1008 Properly don individual protective equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Properly wearing individual protective equipment in a NBC environment can be vital to survival. Individuals must be able to quickly and properly don all required individual protective equipment. This equipment may include the chemical protective over-garment, chemical protective gloves and footwear cover/over-boots, field protective mask, and M9 tape. Additionally, individual must know the various levels of MOPP in order to ensure they can assume the correct level of protection.

Condition: Given the requirement to don a specific level of MOPP, properly don individual protective equipment.

Standard: Properly don individual protective equipment, within the time limit established, in accordance with the references.

References: MCWP 3-37.2 MTTPs for NBC Protection
MCO 3400.3_ NBCD Training

Rank: Pvt through CWO

5700-TRG-1009 Identify procedures for conducting individual protective equipment confidence exercise

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

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Event Description: The Individual Protective Equipment (IPE) Confidence Exercise is designed to prepare personnel to operate in a contaminated environment. It provides all personnel the opportunity to experience how their IPE performs and protects them. When properly conducted, the IPE Confidence Exercise provides personnel the confidence to survive, operate, and accomplish their mission in a NBC environment. However, harassment and unnecessary actions/events can be dangerous and harmful to individual health, is counterproductive to the goal and purpose of the IPE Confidence Exercise, and is therefore unquestionably prohibited. The proper procedures, facility requirements and safety precautions are contained in the reference and must be adhered to.

Condition: Given the requirement to conduct an individual protective equipment confidence exercise, identify procedures for conducting individual protective equipment confidence exercise.

Standard: With the aid of reference, identify procedures for conducting individual protective equipment confidence exercise.

References: MCO 3400.3_ NBCD Training

Rank: Pvt through CWO

5700-TRG-2001 Identify unit NBC defense training requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: All units within the Marine Corps must be able to survive and operate in an NBC environment. To ensure they are able to meet this requirement, all units must train in NBC defense. There are standard NBC defense training requirements that all units must accomplish, along with other more specific training requirements depending on the units' mission. The standard training requirements can be found in the Marine Corps orders on NBC defense training and Individual Training Standards for Marine Corps Common Skills. Some of these requirements include, Individual Survive Standards, IPE Confidence Exercise, MOPP familiarization, NBC team training, and integrating NBC defense training into combat, combat support, combat service support, and command and control

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exercises. The specific training requirements could include specialized monitor/survey operations, thorough decontamination, chemical casualty decontamination and toxic industrial material detection and identification. Unit NBC defense personnel must be able to review their unit's mission and develop a list of NBC defense training requirements to ensure they are ready for employment.

Condition: Assigned as a unit NBC Defense Officer or Specialist provided with the unit's mission, and given the requirement to develop a unit NBC defense training plan, identify unit NBC defense training requirements.

Standard: With the aid of reference, identify unit NBC defense training requirements, in order to ensure the unit is ready to operate in an NBC environment.

Chained Events: 5700-TRG-2002
5700-TRG-2003

References: MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-2002 Identify NBC defense MOS sustainment training requirements

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: NBC defense skills are perishable skills. To be able to function efficiently and effectively when required by the mission, NBC defense personnel must continually practice and hone their skills. This is accomplished through MOS sustainment training. This training may include control center operations conducting hazard predictions, reviewing equipment serviceability standards and requirements, teaching techniques and skills, and refining detection and decontamination techniques and equipment operations. Additionally, because of advances in technology, the enemy's ability to develop, obtain, and employ a wider range of NBC weapons and agent, NBC defense personnel must remain current on the newest developments and changes in the threat. MOS sustainment in this area may include research and study of new or developmental tactical, techniques

and procedures or equipment, current worldwide threat, and terrorist capabilities. MOS sustainment training is the only way NBC defense personnel can maintain and sustain MOS credibility and accomplish their mission when required.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to develop a MOS sustainment training plan, identify NBC defense MOS sustainment training requirements.

Standard: With the aid of reference, identify NBC defense MOS sustainment training requirements, in accordance with the references, in order to ensure the unit NBC defense personnel are ready to conduct operations in support of the mission.

References: MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-2003 Instruct NBC defense team training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: It is primarily the responsibility of unit NBC defense personnel to provide NBC defense training to unit personnel. Due the limited number of NBC defense personnel per unit, the Marine Corps depends on non-NBC defense personnel to be assigned the additional duties as NBC defense team members. Non-NBC defense team members may be assigned to the control center team, monitor/survey teams, or decontamination teams. It is the responsibility of the unit NBC defense personnel to train the NBC defense team members. They must ensure they can accomplish their team mission when required. NBC team training is generally conducted on a monthly basis to ensure NBC defense team members retain the skills they are taught.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to train NBC defense teams, instruct NBC defense team training.

Standard: With the aid of reference, instruct NBC defense team training, in order to ensure the unit's NBC defense teams are capable of conducting team operations in support of the mission.

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References: MCO 3400.3_ NBCD Training
MCWP 3-37.2 MTTPs for NBC Protection
MCWP 3-37.3 MTTPs for NBC Decontamination

Rank: Pvt through CWO

5700-TRG-2004 Instruct the proper method of donning individual protective equipment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Properly wearing individual protective equipment in a NBC environment can be vital to survival. It is primarily the responsibility of unit NBC defense personnel to instruct unit personnel in the proper method of donning individual protective equipment. Individuals must be taught to quickly and properly don all required individual protective equipment. This equipment may include the chemical protective over-garment, chemical protective gloves and footwear cover/over-boots, field protective mask and M9 tape. Additionally, individual must be taught the various levels of MOPP in order to ensure they can assume the correct level of protection.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to train unit personnel in NBC defense, instruct the proper method of donning individual protective equipment.

Standard: Instruct the proper method of donning individual protective equipment, in order to ensure unit personnel can don within the prescribed time limit, and in accordance with the references.

References: MCWP 3-37.2 MTTPs for NBC Protection
MCO 3400.3_ NBCD Training

Rank: Pvt through CWO

5700-TRG-2005 Conduct individual protective equipment confidence exercise

Evaluation Coded (E-Coded): Yes

Sustainment Interval: 12

Event Description: The Individual Protective Equipment (IPE) Confidence Exercise is designed to prepare personnel to operate in a contaminated environment. It provides all personnel the opportunity to experience how their IPE performs and protects them. When properly conducted, the IPE Confidence Exercise provides personnel the confidence to survive, operate, and accomplish their mission in a NBC environment. However, harassment and unnecessary actions/events can be dangerous and harmful to personnel health, is counterproductive to the goal and purpose of the IPE Confidence Exercise, and is therefore unquestionably prohibited. NBC defense personnel must be completely familiar with the proper procedures; facility requirements and safety precautions that are contained in the reference and must ensure they are adhered to. Additionally, NBC defense personnel must know how to properly conduct planning, arrange assets and schedule the event for unit personnel.

Condition: Assigned as a unit NBC Defense Officer or Specialist, given the requirement to conduct an individual protective equipment confidence exercise, and provided with the appropriate facilities, personnel, IPE, logistics and ammunition, conduct an individual protective equipment confidence exercise.

Standard: With the aid of reference, conduct an individual protective equipment confidence exercise.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-2006 Conduct NBC defense individual survival measures training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: All personnel assigned to the operating force must be trained in NBC defense in order to survive and

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continue their mission in an NBC environment. It is primarily the responsibility of unit NBC defense personnel to conduct training and instruct unit personnel in NBC defense individual survival measures. Individual survival measures are those tasks that the individual must master in order to survive NBC attacks. Individual survival measures include properly maintaining and donning the field protective mask and individual protective equipment, identify NATO NBC markers, performing basic functions while in MOPP, decontaminating skin and personal equipment, performing MOPP gear exchange, properly reacting to a NBC attack, recognizing or detecting chemical contamination, treating a chemical agent casualty, and formatting and sending an NBC 1 report.

Condition: Assigned as a unit NBC Defense Officer or Specialist, given the requirement to train unit personnel on individual survival measures, conduct NBC defense individual survival measures training.

Standard: Without the aid of reference, conduct NBC defense individual survival measures, in order to ensure unit personnel can survive an NBC attack and continue their mission.

Chained Events: 5700-TRG-2004
5700-TRG-2005
5700-TRG-2006
5700-TRG-2007
5700-TRG-2008
5700-TRG-2009

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Pvt through CWO

5700-TRG-2007 Conduct unit training/mission oriented tasks
(MOT) training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: All personnel assigned to the operating force must be trained in NBC defense in order to survive and continue their mission in an NBC environment. All units must be

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able to conduct their operations/mission-oriented tasks in a NBC environment. It is a primary responsibility of unit NBC defense personnel to ensure that units include NBC defense training while conducting unit training and their mission-oriented tasks. Additionally, the NBC defense personnel must ensure NBC defense training is integrated into all unit-training exercises. The challenge is to ensure units conduct training in the whole range of their mission oriented tasks while in a NBC environment and not just simple tasks such as stationary defensive operations. Emphasis should be placed on tactics, techniques, procedures and small unit leadership. NBC defense personnel may also be required to conduct or supervise unit training, such as leading a unit through the procedures for operational decontamination.

Condition: Assigned as a unit NBC Defense Officer or Specialist, given the requirement to ensure the unit is properly trained in NBC defense, conduct unit training/mission oriented tasks (MOT) training.

Standard: With the aid of reference, conduct unit training/mission oriented tasks (MOT) training, in order to ensure the unit can survive an NBC attack and continue their mission in a NBC environment.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-2008 Conduct mission oriented protective posture (MOPP) familiarization training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Mission oriented protective posture (MOPP) familiarization training familiarized the individual with the physical limitations of protective clothing and the inherent heat stress this environment places on each individual. It is a primary responsibility of unit NBC defense personnel to ensure MOPP familiarization training is scheduled and conducted. MOPP familiarization training consists of personnel spending a minimum of eight continuous hours in MOPP levels set by the unit commander while conducting operations. To be effective, the

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goal of MOPP familiarization training is for units to be able to successfully accomplish all mission essential tasks while in MOPP IV. Invariably, this will require units to acclimatize personnel, gradually increase protective levels, and apply the appropriate work/rest cycles to ensure success. MOPP familiarization training will be conducted semi-annually at a minimum, by all personnel.

Condition: Assigned as a unit NBC Defense Officer or Specialist, given the requirement to ensure the unit is able to conduct operations while in MOPP, conduct mission oriented protective posture (MOPP) familiarization training.

Standard: With the aid of reference, conduct mission oriented protective posture (MOPP) familiarization training, in order to ensure the unit can operate and continue their mission in a NBC environment.

Chained Events: 5700-TRG-2015

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-2009 Conduct NBC defense MOS sustainment training

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: NBC defense skills are perishable skills. To be able to function efficiently and effectively when required by the mission, NBC defense personnel must continually practice and hone their skills. This is accomplished through MOS sustainment training. Ensuring NBC defense sustainment training is the responsibility of the unit NBC Defense Officer or Specialist. This training may include control center operations, conducting hazard predictions, reviewing equipment serviceability standards and requirements, teaching techniques and skills, and refining detection and decontamination techniques and equipment operations. Additionally, because of advances in technology, the enemy's ability to develop, obtain, and employ a wider range of NBC weapons and agent, NBC defense personnel must remain current on the newest developments and

changes in the threat. MOS sustainment in this area may include research and study of emerging tactics, techniques and procedures or equipment, analysis of current worldwide threats, and an understanding of terrorist capabilities. MOS sustainment training is the only way NBC defense personnel can maintain and sustain MOS credibility.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to ensure unit NBC defense personnel remain proficient in the MOS, conduct NBC defense MOS sustainment training.

Standard: With the aid of reference, conduct NBC defense MOS sustainment training, in order to ensure the unit NBC defense personnel are ready to conduct operations in support of the mission.

Chained Events: 5700-TRG-2015

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-2010 Conduct integrated training exercise

Evaluation Coded (E-Coded): No

Sustainment Interval: 6

Event Description: All units must be able to conduct operations while in a NBC environment. It is a primary responsibility of unit NBC defense personnel to ensure NBC defense training is integrated into all unit-training exercises. Additionally, NBC defense personnel must ensure that units include NBC defense training while conducting normal unit training and their mission-oriented tasks. The challenge is to ensure units conduct training in the whole range of their required missions and tasks while in a NBC environment and not just simple tasks such as stationary defensive operations. Emphasis should be placed on tactics, techniques, procedures and small unit leadership. NBC defense personnel may also be required to conduct or supervise the integration of NBC defense into unit training, such as directing unit monitor/survey teams to conduct a route survey prior to the unit displacing.

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Condition: Assigned as a unit NBC Defense Officer or Specialist, and given the requirement to ensure the unit conducts realistic NBC defense training, conduct an integrated training exercise.

Standard: Conduct an integrated training exercise, in accordance with the references, in order to ensure the unit can operate in a NBC environment.

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-3001 Develop command NBC defense training program

Evaluation Coded (E-Coded): No

Sustainment Interval: 12

Event Description: All units within the Marine Corps must be able to survive and operate in an NBC environment. To ensure they are able to meet this requirement, all units must train in NBC defense. It is a primary responsibility of the unit NBC defense personnel to develop a command NBC defense training program. This program should include the standard NBC defense training requirements that all units must accomplish, along with other more specific training requirements depending on the units' mission. The standard training requirements can be found in the Marine Corps orders on NBC defense training and Individual Training Standards for Marine Corps Common Skills. Some of these requirements include, Individual Survive Standards, IPE Confidence Exercise, MOPP familiarization, NBC team training, and integrating NBC defense training into combat, combat support, combat service support, and command and control exercises. The specific training requirements could include specialized monitor/survey operations, thorough decontamination, chemical casualty decontamination and toxic industrial material detection and identification. Unit NBC defense personnel must be able to review their unit's mission and all applicable orders and references, and develop a command NBC defense training program which ensures the unit meets all their NBC defense training requirements, so they will be ready for employment.

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Condition: Assigned as a unit NBC Defense Officer or Specialist, provided with the unit's mission, and given the requirement to develop a command NBC defense training program, develop a command NBC defense training program.

Standard: With the aid of reference, develop a command NBC defense training program, in accordance with the references, in order to ensure the unit is ready to operate in an NBC environment.

Chained Events: 5700-TRG-2001
5700-TRG-2002
5700-TRG-2003

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-3002 Implement command NBC defense training plan

Evaluation Coded (E-Coded): No

Sustainment Interval: 1

Event Description: All units within the Marine Corps must be able to survive and operate in an NBC environment. To ensure they are able to meet this requirement, all units must train in NBC defense. It is a primary responsibility of the unit NBC defense personnel to develop a command NBC defense training program. This program should include the standard NBC defense training requirements that all units must accomplish, along with other more specific training requirements depending on the units' mission. Once this training program is developed, it is the responsibility of the unit NBC defense personnel to ensure it is implemented and integrated into the unit's overall training plan. This will help ensure the unit meets all their NBC defense training requirements, and that they are ready for operations in a NBC environment.

Condition: Assigned as a unit NBC Defense Officer or Specialist, and provided with the unit's NBC defense training program and overall training plan, implement the command NBC defense training plan.

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Standard: With the aid of reference, implement the command NBC defense training plan, in order to ensure the unit is ready to operate in an NBC environment.

Prerequisite Events: TRG-5700-3001

Chained Events: 5700-TRG-2010
5700-TRG-2011
5700-TRG-2012
5700-TRG-2013
5700-TRG-2014

References: MCO 3400.3_ NBCD Training
MCRP 3-0A Unit Training Management Guide
MCRP 3-0B How to Conduct Training

Rank: Cpl through CWO

5700-TRG-5001 Integrate the ENBC into MEU(SOC) staff planning

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: When tasked to support NBC defense requirements while assigned to a MEU(SOC) unit, there are special considerations. In addition to the normal equipment, personnel, and training requirements associated with NBC defense for a unit, the MEU(SOC) unit must be able to coordinate the NBC defense assets of the entire MEU. Each MEU(SOC) is provided with the Enhanced NBC (ENBC) Force Protection Suite. This suite provides the MEU with additional detection and protection capabilities. The MEU NBC defense personnel must ensure they have personnel trained to operate the equipment. Additionally, the NBC defense personnel must ensure that the tactics, techniques and procedures for employing the ENBC suite are incorporated into MEU(SOC) operations. This is accomplished through fully integrating ENBC into the MEU(SOC) staff planning process.

Condition: Assigned as a MEU NBC Defense Officer or Specialist, and provided with the ENBC Force Protection Suite, integrate the ENBC into MEU(SOC) staff planning.

Standard: Without the aid of reference, integrate the ENBC into MEU(SOC) staff planning to support the mission.

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References: MCRP 3-37.2A Chem/Bio Contamination Avoidance
MCWP 5-1 Marine Corps Planning Process

Rank: SSgt through CWO

5700-TRG-5002 Conduct consequence management (CM) assessment

Evaluation Coded (E-Coded): No

Sustainment Interval: 3

Event Description: Major disasters, whether caused by nature or man, may trigger a massive release of chemical or biological agents or nuclear radiation. When this happens, U.S. forces may be requested to assist in predicting the extent of the hazard, the containment and the clean up of the hazard. NBC defense personnel must be able to support ongoing operations by conducting an assessment of this situation relative to NBC defense considerations. They must be familiar with the procedures associated with consequence management, predict the extent or spread of contamination, estimate the impact of the release/contamination, determine the level of protection required to protect the force, recommend methods to limit the spread of contamination and for conducting decontamination operations, and understand availability of assets to support the mission.

Condition: Assigned as a NBC Defense Officer or Specialist on a MEF or JTF staff, and provided with a post-incident situation, conduct a consequence management (CM) assessment.

Standard: Conduct a consequence management (CM) assessment, in accordance with the applicable directives and national policy, and in support of ongoing CM efforts.

References: MCRP 3-37.2C MTTP's for NBC Aspects of Consequence Management

Rank: MSgt through CWO

NBCD T&R MANUAL**APPENDIX H****GLOSSARY****TERMS AND DEFINITIONS**

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Pub 1-02, *DOD Dictionary of Military and Associated Terms*.

A

After Action Review. A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

Assessment. An informal judgment of the unit's proficiency and resources made by a commander or trainer to gain insight into the unit's overall condition. It serves as the basis for the midrange plan. Commanders make frequent use of these determinations during the course of the combat readiness cycle in order to adjust, prioritize or modify training events and plans.

C

Chaining. A process that enables unit leaders to effectively identify subordinate collective events and individual events that support a specific collective event. For example, collective training events at the 4000-level are directly supported by collective events at the 3000-level. Utilizing the building block approach to progressive training, these collective events are further supported by individual training events at the 1000 and 2000-levels. When a higher-level event by its nature requires the completion of lower level events,

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they are "chained"; Sustainment credit is given for all lower level events chained to a higher event.

Collective Event. A clearly defined, discrete, and measurable activity, action, or event (i.e., task) that requires organized team or unit performance and leads to accomplishment of a mission or function. A collective task is derived from unit missions or higher-level collective tasks. Task accomplishment requires performance of procedures composed of supporting collective or individual tasks. A collective task describes the exact performance a group must perform in the field under actual operational conditions. The term "collective" does not necessarily infer that a unit accomplishes the event. A unit, such as a squad or platoon conducting an attack; may accomplish a collective event or, it may be accomplished by an individual to accomplish a unit mission, such as a battalion supply officer completing a reconciliation of the battalion's CMR. Thus, many collective events will have titles that are the same as individual events; however, the standard and condition will be different because the scope of the collective event is broader.

Collective Training Standards (CTS). Criteria that specify mission and functional area unit proficiency standards for combat, combat support, and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. CTS are found within collective training events in T&R Manuals.

Combat Readiness Cycle. The combat readiness cycle depicts the relationships within the building block approach to training. The combat readiness cycle progresses from T&R Manual individual core skills training, to the accomplishment of collective training events, and finally, to a unit's participation in a contingency or actual combat. The combat readiness cycle demonstrates the relationship of core capabilities to unit combat readiness. Individual core skills training and the training of collective events lead to unit proficiency and the ability to accomplish the unit's stated mission.

Combat Readiness Percentage (CRP). The CRP is a quantitative numerical value used in calculating collective training readiness based on the E-coded events that support the unit METL. CRP is a concise measure of unit training accomplishments. This numerical value is only a snapshot of training readiness at a specific time. As training is conducted, unit CRP will continuously change.

Component Events. Component events are the major tasks involved in accomplishing a collective event. Listing these tasks guide Marines toward the accomplishment of the event and help evaluators determine if the task has been done to standard. These events may be lower-level collective or individual events that must be accomplished.

Condition. The condition describes the training situation or environment under which the training event or task will take place. Expands on the information in the title by identifying when, where, and why the event or task will occur and what materials, personnel, equipment, environmental provisions, and safety constraints must be present to perform the event or task in a real-world environment. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.).

Core Competency. Core competency is the comprehensive measure of a unit's ability to accomplish its assigned METs. It serves as the foundation of the T&R Program. Core competencies are those unit core capabilities and individual core skills that support the commander's METL and T/O mission statement. Individual competency is exhibited through demonstration of proficiency in specified core tasks and core plus tasks. Unit proficiency is measured through collective tasks.

Core Capabilities. Core capabilities are the essential functions a unit must be capable of performing during extended contingency/combat operations. Core unit capabilities are based upon mission essential tasks derived from operational plans; doctrine and established tactics; techniques and procedures.

Core Plus Capabilities. Core plus capabilities are advanced capabilities that are environment, mission, or theater specific. Core plus capabilities may entail high-risk, high-cost training for missions that are less likely to be assigned in combat.

Core Plus Skills. Core plus skills are those advanced skills that are environment, mission, rank, or billet specific. 2000-level training is designed to make Marines proficient in core skills in a specific billet or at a specified rank at the Combat Ready level. 3000-8000-level training produces combat leaders and fully qualified section members at the Combat Qualified level. Marines trained at the Combat Qualified level are those the commanding officer feels are capable of accomplishing unit-level missions and of directing the actions of subordinates.

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Many core plus tasks are learned via MOJT, while others form the base for curriculum in career level MOS courses taught by the formal school.

Core Skills. Core skills are those essential basic skills that "make" a Marine and qualify that Marine for an MOS. They are the 1000-level skills introduced in entry-level training at formal schools and refined in operational units.

D

Defense Readiness Reporting System (DRRS). A comprehensive readiness reporting system that evaluates readiness on the basis of the actual missions and capabilities assigned to the forces. It is a capabilities-based, adaptive, near real-time reporting system for the entire Department of Defense.

Deferred Event. A T&R event that a commanding officer may postpone when in his or her judgment, a lack of logistic support, ammo, ranges, or other training assets requires a temporary exemption. CRP cannot be accrued for deferred "E-coded" events.

Delinquent Event. An event becomes delinquent when a Marine or unit exceeds the sustainment interval for that particular event. The individual or unit must update the delinquent event by first performing all prerequisite events. When the unit commander deems that performing all prerequisite is unattainable, then the delinquent event will be re-demonstrated under the supervision of the appropriate evaluation authority.

E

E-coded Event. An "E-coded" event is a collective T&R event that is a key indicator of capability; or, a key collective skill that contributes to the unit's ability to perform the supported MET. As such, only "E-coded" events are assigned a CRP value and used to calculate a unit's CRP.

Entry-level training. Pipeline training that equips students for service with the Marine Operating Forces.

Evaluation. Evaluation is a continuous process that occurs at all echelons, during every phase of training and can be both formal and informal. Evaluations ensure that Marines and units

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are capable of conducting their combat mission. Evaluation results are used to reallocate resources, reprioritize the training plan, and plan for future training.

Event (Training). (1) An event is a significant training occurrence that is identified, expanded and used as a building block and potential milestone for a unit's training. An event may include formal evaluations. (2) An event within the T&R Program can be an individual training evolution, a collective training evolution or both. Through T&R events, the unit commander ensures that individual Marines and the unit progress from a combat capable status to a Fully Combat Qualified (FCQ) status.

Event Component. The major procedures (i.e., actions) that must occur to perform a Collective Event to standard.

Exercise Commander (EC). The Commanding General, Marine Expeditionary Force or his appointee will fill this role, unless authority is delegated to the respective commander of the Division, Wing, or FSSG. Responsibilities and functions of the EC include: (1) designate unit(s) to be evaluated, (2) may designate an exercise director, (3) prescribe exercise objectives and T&R events to be evaluated, (4) coordinate with commands or agencies external to the Marine Corps and adjacent Marine Corps commands, when required.

Exercise Director (ED). Designated by the EC to prepare, conduct, and report all evaluation results. Responsibilities and functions of the ED include: (1) Publish a letter of instruction (LOI) that: delineates the T&R events to be evaluated, establishes timeframe of the exercise, lists responsibilities of various elements participating in the exercise, establishes safety requirements/guidelines, and lists coordinating instructions. (2) Designate the TEC and TECG to operate as the central control agency for the exercise. (3) Assign evaluators, to include the senior evaluator, and ensure that those evaluators are properly trained. (4) Develop the general exercise scenario taking into account any objectives/ events prescribed by the EC. (5) Arrange for all resources to include: training areas, airspace, aggressor forces, and other required support.

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I

Individual Readiness. The individual training readiness of each Marine is measured by the number of individual events required and completed for the rank or billet currently held.

Individual Training. Training that applies to individual Marines. Examples include rifle qualifications and HMMWV driver licensing.

Individual Training Standards (ITS). Specifies training tasks and standards for each MOS or specialty within the Marine Corps. In most cases, once an MOS or community develops a T&R, the ITS order will be cancelled. However, most communities will probably fold a large portion of their ITSs into their new T&Rs.

M

Marine Corps Combat Readiness and Evaluation System (MCCRES).

An evaluation system designed to provide commanders with a comprehensive set of mission performance standards from which training programs can be developed; and through which the efficiency and effectiveness of training can be evaluated. The Ground T&R Program will eventually replace MCCRES.

Marine Corps Ground Training and Readiness (T&R) Program. The T&R Program is the Marine Corps' primary tool for planning and conducting training, for planning and conducting training evaluation, and for assessing training readiness. The program will provide the commander with standardized programs of instruction for units within the ground combat, combat support, and combat service support communities. It consolidates the ITSs, CTSS, METLs and other individual and unit training management tools. T&R is a program of standards that systematizes commonly accepted skills, is open to innovative change, and above all, tailors the training effort to the unit's mission. Further, T&R serves as a training guide and provides commanders an immediate assessment of unit combat readiness by assigning a CRP to key training events. In short, the T&R Program is a building block approach to training that maximizes flexibility and produces the best-trained Marines possible.

Mission Essential Task(s) MET(s). A MET is a collective task in which an organization must be proficient in order to accomplish an appropriate portion of its wartime mission(s). METs are the foundation for the T&R manual; all events in the T&R manual support a MET.

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Mission Essential Task List (METL). Descriptive training document that provides units a clear, warfighting focused description of collective actions necessary to achieve wartime mission proficiency. The service-level METL, that which is used as the foundation of the T&R manual, is developed using Marine Corps doctrine, Operational Plans, T/Os, UJTL, UNTL, and MCTL. For community based T&R Manuals, an occupational field METL is developed to focus the community's collective training standards. Commanders develop their unit METL from the service-level METL, operational plans, contingency plans, and SOPs.

Mission Performance Standards (MPSS). Criteria that specify mission and functional area unit proficiency standards for combat, combat support and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. MPSS are contained within the MCCRES volumes. The MCCRES volumes are being replaced by T&R Manuals. Collective Events will replace MPSS.

O

Operational Readiness (DOD, NATO). The capability of a unit/formation, ship, weapon system, or equipment to perform the missions or functions for which it is organized or designed. May be used in a general sense or to express a level or degree of readiness.

P

Performance step. Performance steps are included in the components of an Individual T&R Event. They are the major procedures (i.e., actions) a unit Marine must accomplish to perform an individual event to standard. They describe the procedure the task performer must take to perform the task under operational conditions and provide sufficient information for a task performer to perform the procedure. (May necessitate identification of supporting steps, procedures, or actions in outline form.) Performance steps follow a logical progression and should be followed sequentially, unless otherwise stated. Normally, performance steps are listed only for 1000-level individual events (those that are taught in the entry-level MOS school). Listing performance steps is optional if the steps are already specified in a published reference.

Prerequisite Event. Prerequisites are the academic training and/or T&R events that must be completed prior to attempting the event.

R

Readiness (DOD). The ability of US military forces to fight and meet the demands of the national military strategy. Readiness is the synthesis of two distinct but interrelated levels: (a) Unit readiness--The ability to provide capabilities required by combatant commanders to execute assigned missions. This is derived from the ability of each unit to deliver the outputs for which it was designed. (b) Joint readiness--The combatant commander's ability to integrate and synchronize ready combat and support forces to execute assigned missions.

S

Section Skill Tasks. Section Skills are those competencies directly related to unit functioning. They are group rather than individual in nature, and require participation by a section (S-1, S-2, S-3, etc).

Simulation Training. Simulators provide the additional capability to develop and hone core and core plus skills. Accordingly, the development of simulator training events for appropriate T&R syllabi can help maintain valuable combat resources while reducing training time and cost. Therefore, in cases where simulator fidelity and capabilities are such that simulator training closely matches that of actual training events, T&R Manual developers may include the option of using simulators to accomplish the training. CRP credit will be earned for E-coded simulator events based on assessment of relative training event performance.

Standard. A standard is a statement that establishes criteria for how well a task or learning objective must be performed. The standard specifies how well, completely, or accurately a process must be performed or product produced. For higher-level collective events, it describes why the event is being done and the desired end-state of the event. Standards become more specific for lower-level events and outline the accuracy, time limits, sequencing, quality, product, process, restrictions, etc., that indicate the minimum acceptable level of performance required of the event. At a minimum, both collective and individual training standards consist of a task, the condition under which the task is to be performed, and the evaluation criteria that will be used to verify that the task has been performed to a satisfactory level.

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Sustainment Training. Periodic retraining or demonstration of an event required maintaining the minimum acceptable level of proficiency or capability required to accomplish a training objective. Sustainment training goes beyond the entry-level and is designed to maintain or further develop proficiency in a given set of skills.

Systems Approach to Training (SAT). An orderly process for analyzing, designing, developing, implementing, and evaluating a unit's training program to ensure the unit, and the Marines of that unit acquire the knowledge and skills essential for the successful conduct of the unit's wartime missions.

T

Training Task. A discrete training activity that pertains to an individual Marine. A task is composed of 3 major components: a description of what is to be done, a condition, and a standard.

Technical Exercise Controller (TEC). The TEC is appointed by the ED, and usually comes from his staff or a subordinate command. The TEC is the senior evaluator within the TEGC and should be of equal or higher grade than the commander(s) of the unit(s) being evaluated. The TEC is responsible for ensuring that the evaluation is conducted following the instructions contained in this order and MCO 1553.3A. Specific T&R Manuals are used as the source for evaluation criteria.

Tactical Exercise Control Group (TECG). A TECG is formed to provide subject matter experts in the functional areas being evaluated. The benefit of establishing a permanent TECG is to have resident, dedicated evaluation authority experience, and knowledgeable in evaluation technique. The responsibilities and functions of the TECG include: (1) developing a detailed exercise scenario to include the objectives and events prescribed by the EC/ED in the exercise LOI; (2) conducting detailed evaluator training prior to the exercise; (3) coordinating and controlling role players and aggressors; (4) compiling the evaluation data submitted by the evaluators and submitting required results to the ED; (5) preparing and conducting a detailed exercise debrief for the evaluated unit(s).

Training Plan. Training document that outlines the general plan for the conduct of individual and collective training in an organization for specified periods of time.

U

Unit CRP. Unit CRP is a percentage of the E-coded collective events that support the unit METL accomplished by the unit. Unit CRP is the average of all MET CRPs.

Unit Evaluation. All units in the Marine Corps must be evaluated, either formally or informally, to ensure they are capable of conducting their combat mission. Informal evaluations should take place during all training events. The timing of formal evaluations is critical and should, when appropriate, be directly related to the units' operational deployment cycle. Formal evaluations should take place after the unit has been staffed with the majority of its personnel, has had sufficient time to train to individual and collective standards, and early enough in the training cycle so there is sufficient time to correctly identified weaknesses prior to deployment. All combat units, and units task organized for combat require formal evaluations prior to operational deployments.

Unit Training Management (UTM). Unit training management is the use of the SAT and Marine Corps training principles in a manner that maximizes training results and focuses the training priorities of the unit on its wartime mission. UTM governs the major peacetime training activity of the Marine Corps and applies to all echelons of the Total Force.

W

Waived Event. An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.